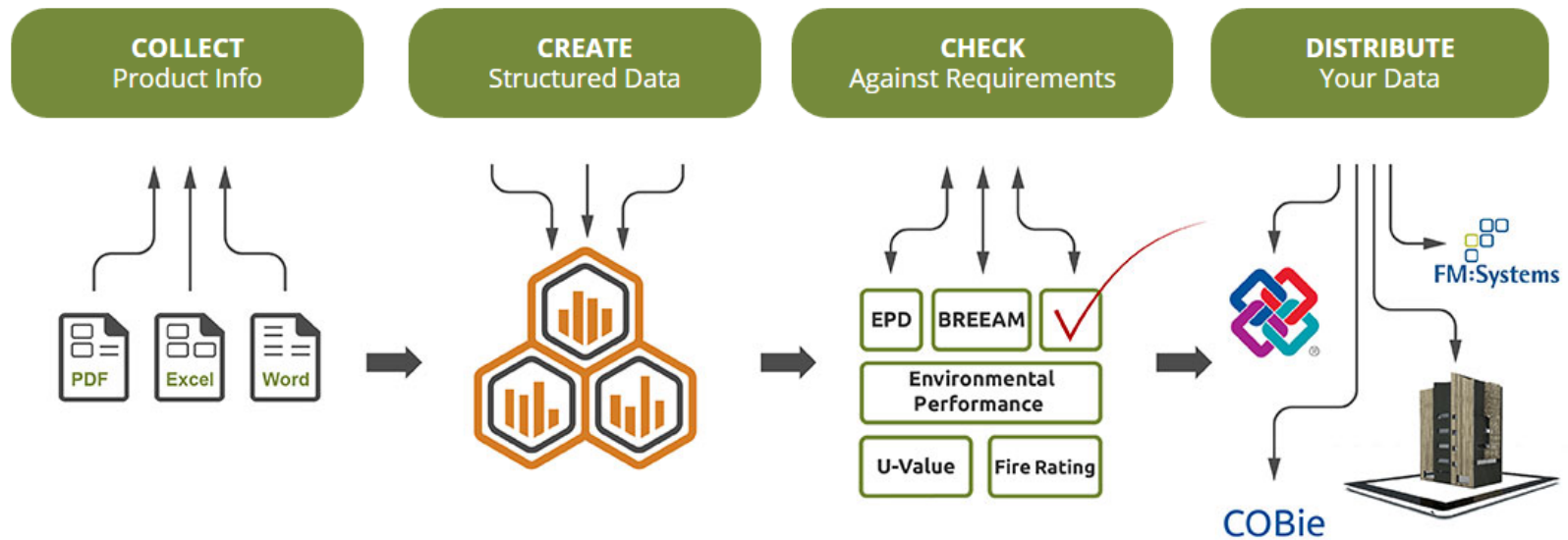


Presentation of coBuilder solutions

- and our work....



Lars Chr. Fredenlund
CEO
coBuilder

Hvilke prosesser støtter vi?

- Definere egenskaper, objekter etc. i bSDD
- Samhandle ved bruk av GUID fra bSDD
- Innkjøp (web-service) og innsamling av produktdata
- Utvikle dokumentasjon (SDS, DoP) basert på bSDD
- System for å lage PDT og lage PDS for produsenter
- API for leveranse av data
- ++

International member of:



Our work

- Solve REACH, CPR and other national and market requirements while implementing BIM.
- Using Open BIM
- Create Product Data Templates (PDT) based on CEN, CENELEC, IFC, COBie, national standards etc.
- Translations of terms into EU languages.
- Product data based on buildingSMART Data Dictionary
- Our work is supported by European associations:
 - European Construction Industry Federation (FIEC)
 - International Union of Painting Contractors (UNIEP)
 - International Union of the Associations of Heating Ventilating and Air-Conditioning Contractors and International Union of Roofing and Plumbing (GCI-UICP)

International member of:



European Legislation
(REACH, CPR, LVD, etc.)



National Legislation and Requirements
(Building Regulations, Regional Plans)

Market Requirements
(HQE, Inies, BREEAM, BIM, etc)



Product Data Template



Manufacturers



Merchants



Clients



Architects

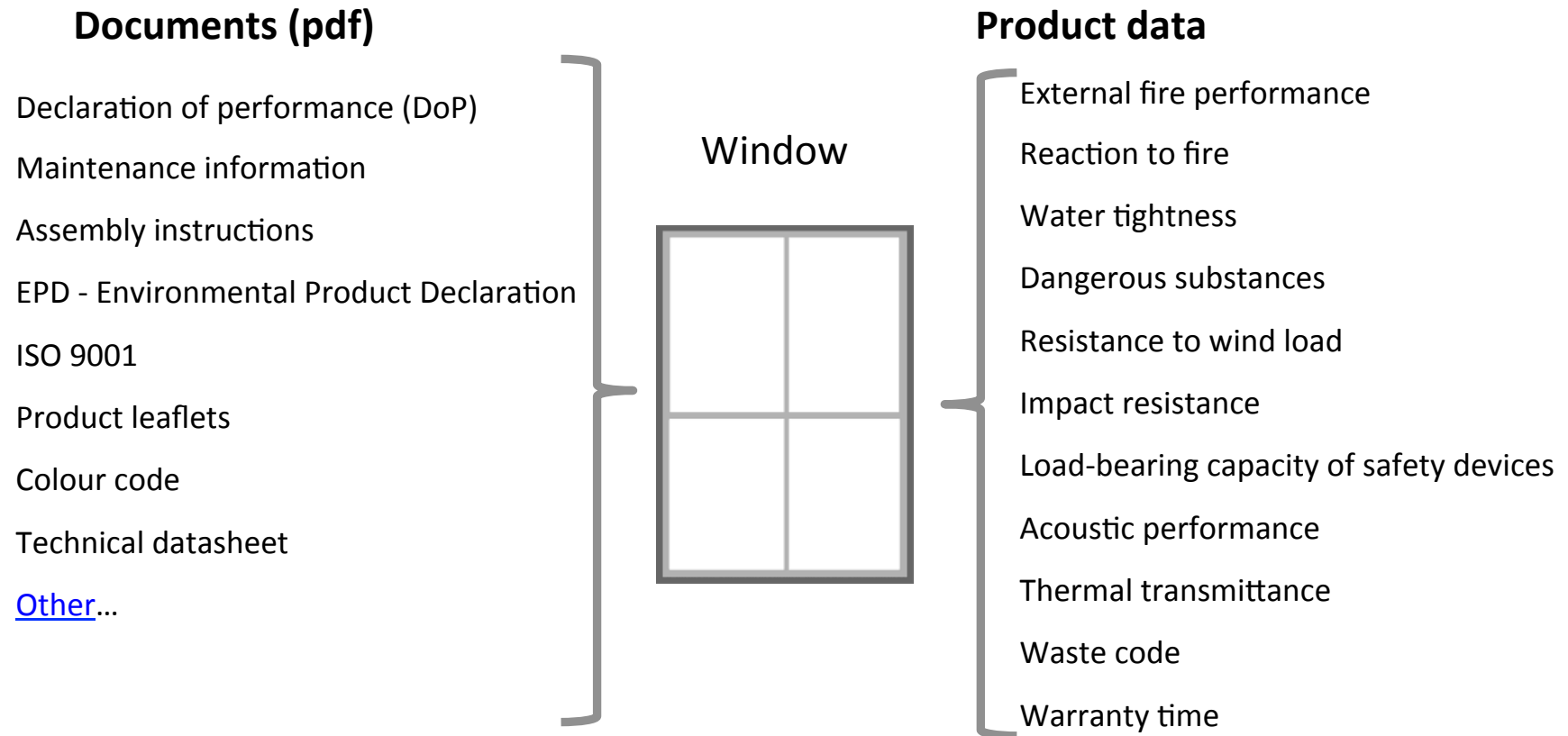


Specifiers



Contractors

Transaction of Product data !



CEN, CENELEC, standards



European Committee for Standardization

[Contact us](#)

CEN COMMUNITY

TECHNICAL BODIES

STANDARDS EVOLUTION AND FORECAST

SEARCH STANDARDS

Search Standards

Text :	Title / Scope : <input type="text"/>	- select a language - ▼		
Committee :	- committee - ▼	- committee title - <input type="text"/>	- select a language - English French German	
Deliverable :	Type : - all deliverables - ▼	Standard Reference : <input type="text"/>		
Status :	<input type="checkbox"/> Under Draft	<input type="checkbox"/> Under Approval (<input type="checkbox"/> Under Enquiry)	<input type="checkbox"/> Approved	<input type="checkbox"/> Published
Standards Classification :	ICS : - all ics - ▼			
<input type="button" value="X Reset"/> <input type="button" value="➔ Search"/>				

Standards :



European Commission

Common technical language

Harmonised European standards (hEN) and European Assessment Documents (EAD). These uniform test methods are to be applied by:

- **the manufacturers** when declaring the performance of their products
- **the authorities of Member States** when specifying requirements for them
- **their users (architects, engineers, constructors...)** when choosing the products most suitable for their intended use in construction works.

Definitions is already defined – in the standards !

Product Data Templates

- Legislative properties (DoP, SDS, LVD etc)
- Environmental Property sets (EPD)
- National standards (BS 8541) property sets
- Geometric property set
- Warranty
- Maintenance
- Etc

buildingSMART Data Dictionary







- ISO 12006-3 - Building construction -- Organization of information about construction works -- Part 3: Framework for object-oriented information

bsdd.buildingsmart.com

buildingSMART Data Dictionary

Type a name of a concept into the search box and press Enter to search the Dictionary. To expand the search, use an asterisk (*) after the term.

window


-  {?} 
-  window 
-  window, windowset 

subject




 [3vHUaooTOHsm00051Mm008](#)

* vindusprosjektet
1
2014.05.02 08:42:59


 **window, windowset**


 IfcWindow

 fenêtre


 Fenster

 窓


 vindu, vinduer

 vindue

 window



 ikkuna



 fönster



 **construction for closing a vertical or near-vertical opening in a wall or pitched roof which will admit light and may provide ventilation. Often a pan**



[↓ Read More](#)

is classified as



 for uses subject to external fire performance regulations 



 for uses subject to reaction to fire regulations 

 for uses other than those specified above 

 any 

is part of collection

 undefined 
[Contexts: CILECCTA]

 BREEAM A20 

is documented in

 ASTM A416 

buildingSMART Data Dictionary


Type a name of a concept into the search box and press Enter to search the Dictionary. To expand the search, use an asterisk (*) after the term.


Search concept


property





 3vHjc_oT0Hsm00051Mm008


 DRAFT
 2002.11.27


 **reaction to fire**


 réaction au feu


 Brandverhalten


 реакция на огън


 egenskaper ved
brannpåvirkning

 reaktion vid
brand

 reaction to fire


 palokäyttäytyminen

 reaktion ved
brand

 **response of a product in
contributing by its own
decomposition to a fire to which it is
exposed, under specified conditions**

[↓ Read More](#)

is property of

 window,
windowset





dangerous substances

reacti

ting

warranty

u-value

ventilation

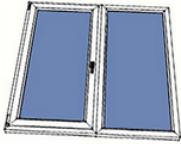
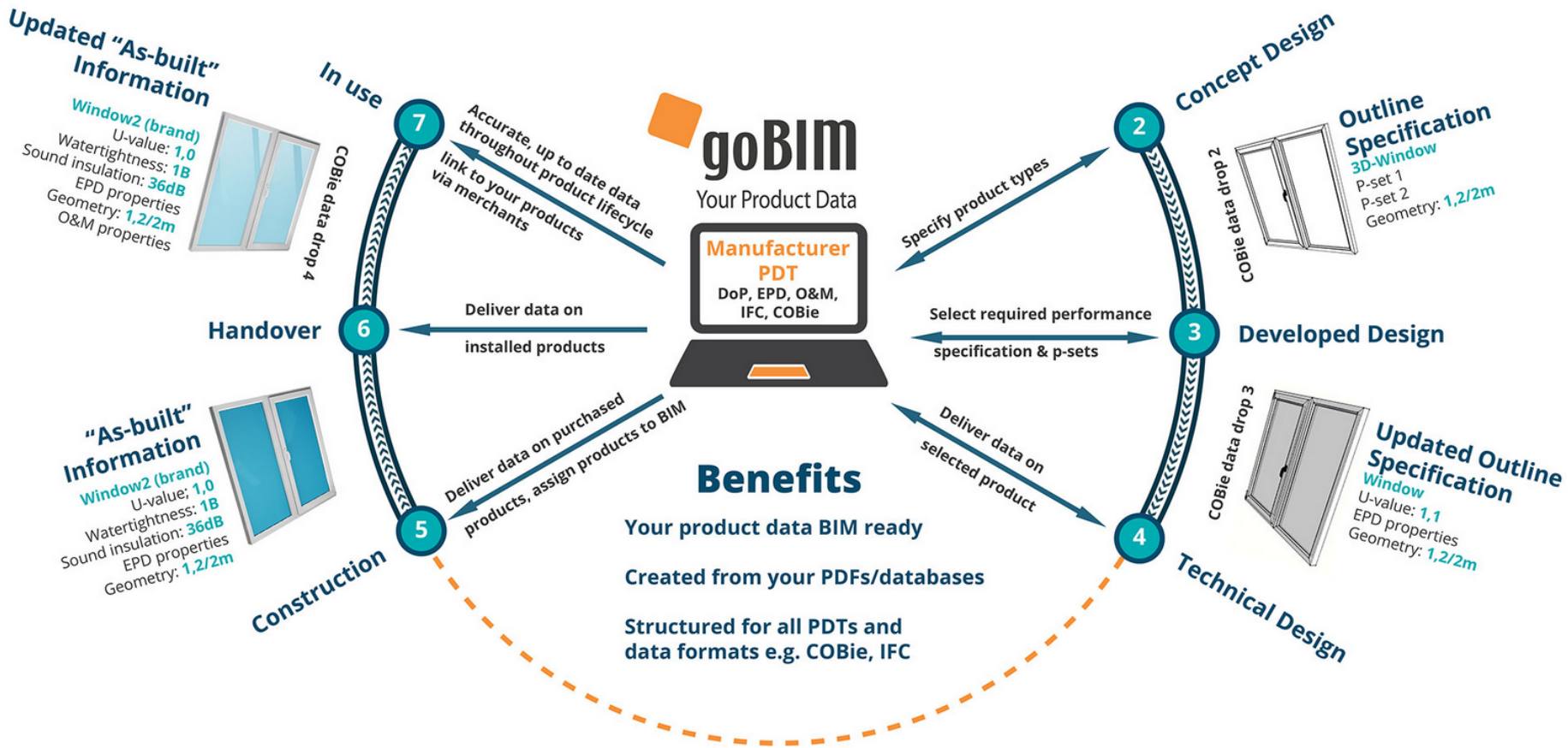
glo

Digitise your product data!

goBIM

solar factor

Product data - BIM !



"As-designed" Information

Window1 (brand)
U-value: 0,9
Watertightness: 1A
Sound insulation: 34dB
EPD properties
Geometry: 1,2/2m

DISTRIBUTE TO BIM

EXPORT COBIE DROP

DISTRIBUTE TO IFC

DISTRIBUTE TO REVIT

DISTRIBUTE TO BENTLEY

DISTRIBUTE TO PRODUCTXCHANGE

DISTRIBUTE TO FM

DISTRIBUTE TO E-COMMERCE

DISTRIBUTE TO ERP/PLM

Product Type:

▶ Window

IfcWindow

Select language:    

Template Name:

▶ WINDOW_EN_International

Template Version:

▶ 1.0

ifcObjectType:

▶ Ifc

bsDD Guid:

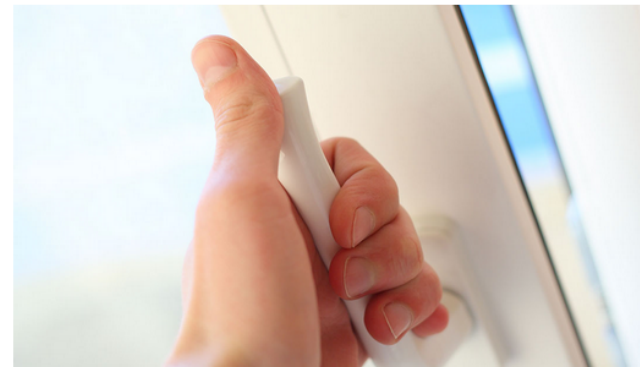
▶ 3aoCKDLT90dRtmDa4W9zt1

en-Int bsDD Description:

▶ building component for closing an opening in a wall or pitched roof that will admit light and may provide ventilation

Harmonised standard:

▶ BS






Classifications

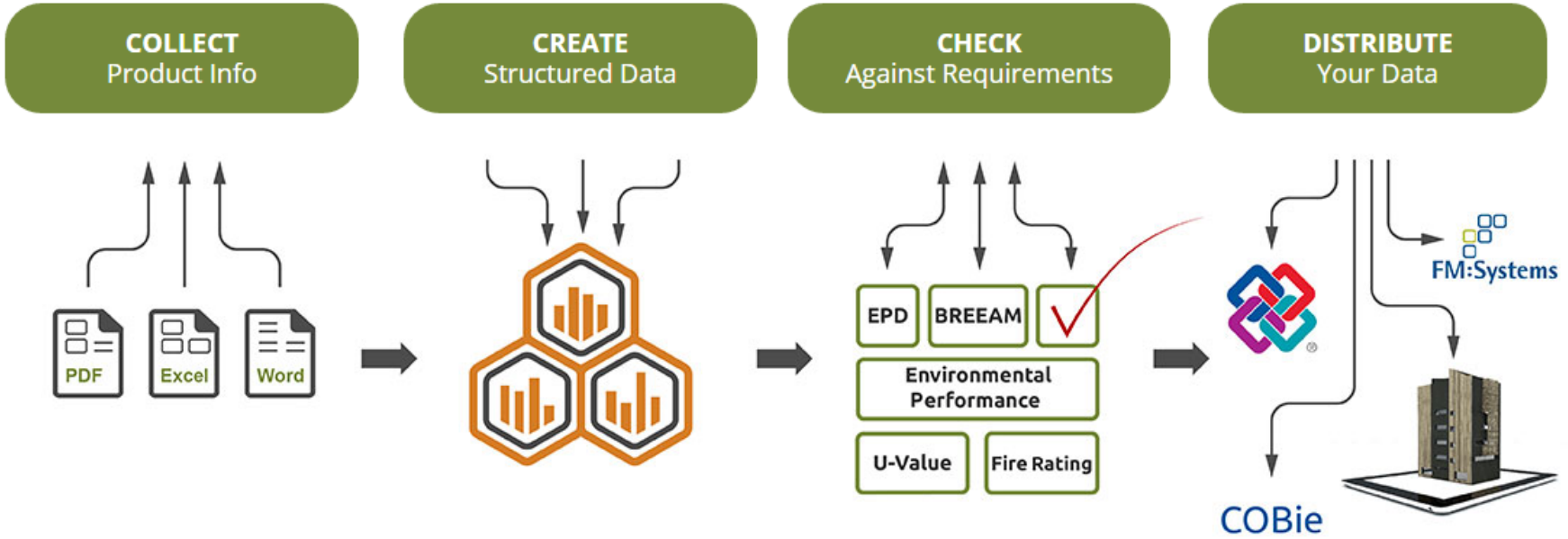
bSDD

Properties	Value
Product Family	<input type="text"/>
Product name	<input type="text"/>
Unique Identifier	+ <input type="text"/>
Manufacturer	<input type="text"/>
Manufacturer website	<input type="text" value="http://"/>
Product Information published on	<input type="text"/>
Product information version	<input type="text"/>
Product description	<input type="text"/>

Property Sets	IFC	COBie	All Properties
+ Declaration of Performance Property Set			
+ Environmental Product Declaration Property Set			
+ Geometric Property Set			
+ Operation & Maintenance Property Set			
+ Custom Property Set			

Properties	Value
Product Family	<input type="text"/>
Product name	<input type="text"/>
Unique Identifier	+ <input type="text"/>
Manufacturer	<input type="text"/>
Manufacturer website	<input type="text" value="http://"/>
Product Information published on	<input type="text"/>
Product information version	<input type="text"/>
Product description	<input type="text"/>

Property Sets	IFC	COBie	All Properties
 Pset_WindowCommon			
 Ifc4  buildingSMART Data Dictionary			
Property ▲	Value ⇅	Unit ⇅	
Thermal Transmittance	<input type="text"/>	watt per metre squared kelvin	



Collect “as built” data and distribute to BIM & FM systems


1203682

Uploaded documents

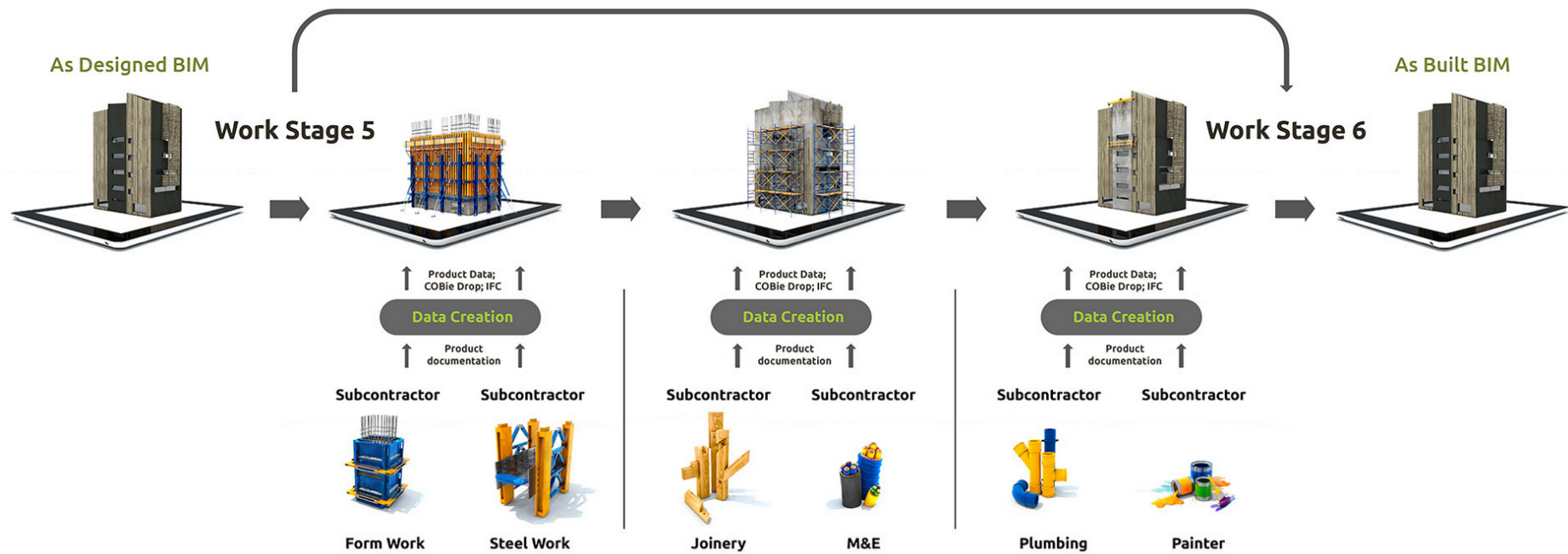
A new way of exchanging information

ProductXChange has redesigned the way construction projects communicate and exchange BIM product data, up and down the supply chain, by comprehensively automating data collection and

Recent Tweets



 Our new web site is out now have a look here cobuilder.co.uk #data #BIM

Product data for Clients and Contractors – what is needed



Product data sheet (for BIM)

Language

Product Information

Select language: International English

Product name: **VINDU FA NTECH 1,0 22X14 HV**

Description: N/A

Supplier: [NorDan AS](#)

Product type: window

Supplier's product number: 12002214

GTIN: 7071154023019

Harmonized standard: SFS-EN 14351-1 - ikkunat ja ovet. tuotestandardi, toiminnalliset ominaisuudet, osa 1: ikkunat ja sisäänkäyntiovet, joilla ei ole palonkestävyys- ja/tai savuntiveys ominaisuuksia

CEN standard



Product properties SDS Documents Environmental Wholesalers Related products

Dop Properties	Value	Unit	Reference Standard
Essential characteristic: Watertightness			
watertightness			EN 1027 - windows and doors - watertightness - test method
Essential characteristic: Dangerous substances			
release of dangerous substances			EN 14351 -1 - windows and doors product standard, performance characteristics part 1: windows and external pedestrian doorsets without resistance to fire and/or smoke leakage characteristics
Essential characteristic: Resistance to wind load			
deflection			EN 12211 - windows and doors - resistance to wind load - test method
pressure			EN 12211 - windows and doors - resistance to wind load - test method
Essential characteristic: Load-bearing capacity of safety devices			
load-bearing capacity of safety devices			EN 14351 -1 - windows and doors product standard, performance characteristics part 1: windows and external pedestrian doorsets without resistance to fire and/or smoke leakage characteristics


Test standard

Product data (Defined in i.e. PPBIM)

French

Product Information	Select language:
Product name	VINDU FA NTECH 1,0 22X14 HV
Description	N/A
Supplier	NorDan AS
Product type	fenêtre
Supplier's product number	12002214
GTIN	7071154023019
Harmonized standard	NF EN 14351-1 - fenêtres et portes - norme produit, caractéristiques de performance - partie 1 : fenêtres et blocs portes extérieurs pour piétons sans caractéristiques de résistance au feu et/ou dégagement de fumée



From the Declaration of Performance


Product properties | SDS | Documents | Environmental | Wholesalers

Dop Properties	Unit	Reference Standard
Essential characteristic: étanchéité à l'eau		
étanchéité; étanchéité; étanchéité à l'eau		NF EN 1027 - fenêtres et portes - perméabilité à l'eau - méthode d'essai
Essential characteristic: Substances dangereuses		
émission de substances dangereuses		NF EN 14351-1 - fenêtres et portes - norme produit, caractéristiques de performance - partie 1 : fenêtres et blocs portes extérieurs pour piétons sans caractéristiques de résistance au feu et/ou dégagement de fumée
Essential characteristic: résistance au vent		
déplacement; flèche		NF EN 12211 - fenêtres et portes - résistance au vent - essai
pression		NF EN 12211 - fenêtres et portes - résistance au vent - essai
Essential characteristic: capacité de résistance des dispositifs de sécurité		
capacité de résistance des dispositifs de sécurité		NF EN 14351-1 - fenêtres et portes - norme produit, caractéristiques de performance - partie 1 : fenêtres et blocs portes extérieurs pour piétons sans

Same standards !

Environmental properties

Product Information



Picture 1 of 1: Fast Karm Ntech

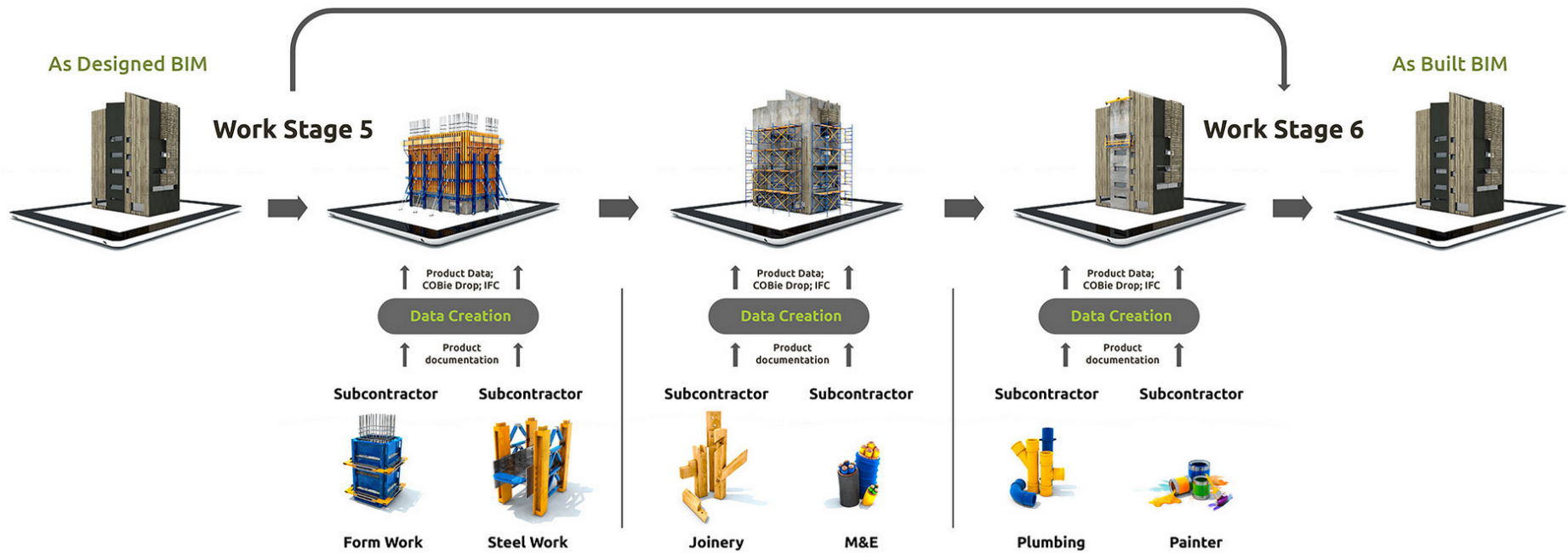
Product Information	Select language: Franglais
Product name	VINDU FA NTECH 1,0 22X14 HV
Description	Fastkarmvindu, Furu
Supplier	NorDan AS
Product type	fenêtre
Supplier's product number	12002214
GTIN	7071154023019
Harmonized standard	NF EN 14351-1 - fenêtres et portes - norme produit, caractéristiques de performance - partie 1 : fenêtres et blocs portes extérieurs pour piétons sans caractéristiques de résistance au feu et/ou dégagement de fumée

Product properties SDS Documents **Environmental** Wholesalers Related products

EPD properties	Value	Unit	Reference Standard
acidification des sols et de l'eau	0,805	(kg SO2 equiv)	NF EN 15804 - contribution des ouvrages de construction au développement durable - déclarations environnementales sur les produits - règles régissant les catégories de produits de construction
components for re-use		(kilogramme)	NF EN 15804 - contribution des ouvrages de construction au développement durable - déclarations environnementales sur les produits - règles régissant les catégories de produits de construction
declared unit		(cubic metre)	NF EN 15804 - contribution des ouvrages de construction au développement durable - déclarations environnementales sur les produits - règles régissant les catégories de produits de construction
épaissement des ressources abiotiques - éléments	0,0413	(kg Sb equiv)	NF EN 15804 - contribution des ouvrages de construction au développement durable - déclarations environnementales sur les produits - règles régissant les catégories de produits de construction
épaissement des ressources abiotiques - combustibles fossiles	1741,14	(MJ, net calorific value)	NF EN 15804 - contribution des ouvrages de construction au développement durable - déclarations environnementales sur les produits - règles régissant les catégories de produits de construction
eutrophisation	0,218	(kg (P04)3-equiv)	NF EN 15804 - contribution des ouvrages de construction au développement durable - déclarations environnementales sur les produits - règles régissant les catégories de produits de construction

NF-EN 15804:2012

The industry need to move from pdf – to data



Using open BIM !

Some coBuilder solutions

www.productxchange.com

www.dopcreator.com

www.gobim.com

Thanks !

Lars Chr. Fredenlund
fredenlund@cobuilder.com

Mob: +47 957 24 990

COBie Data Drops

Structure, uses & examples



	page
Introduction	1
Prior to drop 1	2
Drop 1	3
Drop 2	5
Drop 3	7
Drop 4	9
Drop 5	11
COBie file tab contents	12

Revision:	Date:	Amendment:
01	09.02.12	First draft
02	15.02.12	Section on Drop 5 added
03	16.03.12	Screen shots and example outputs updated
04	23.03.12	Confidentiality text added
05	27.03.12	Cell interior masked
06	29.03.12	Cell loaded drawings masked

COBie - Data Drops for Standard MoJ Cell

The pages that follow show a conceptual representation of a Data Drop for a dummy configuration of two cells. After each conceptual representation of a Data Drop for a Standard MoJ Cell, a series of screenshots show what the actual COBie file looks like and how it evolves. There are also extracts from the COBie file for the standard cells to show the actual content of each tab a COBie file.

Data Drop 1:
Model represents
REQUIREMENTS and CONSTRAINTS

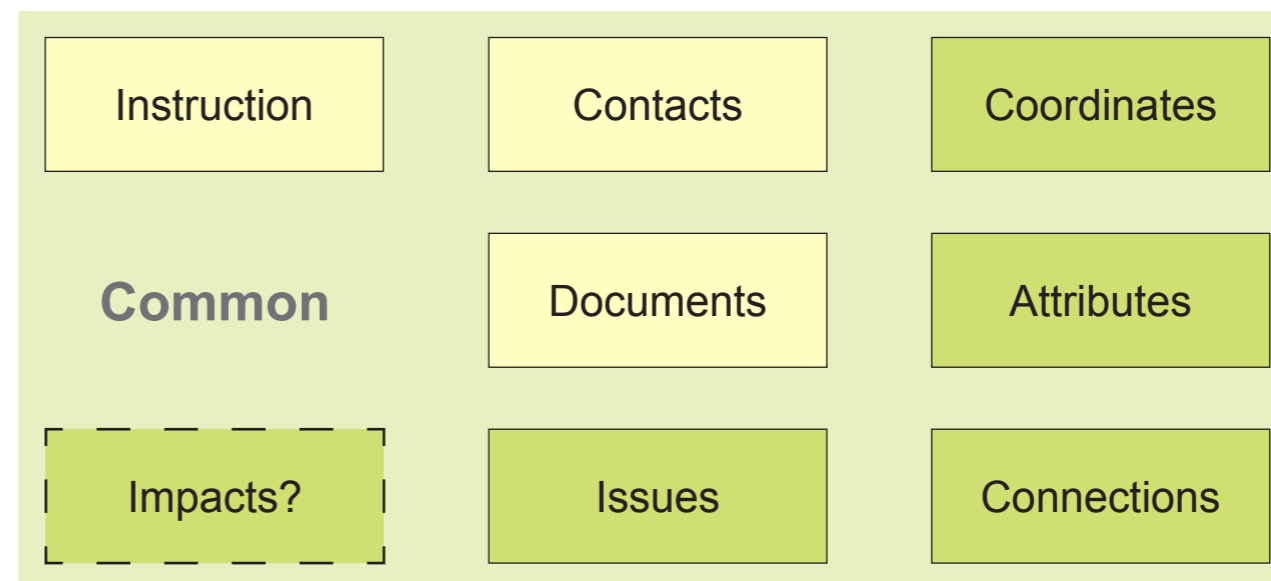
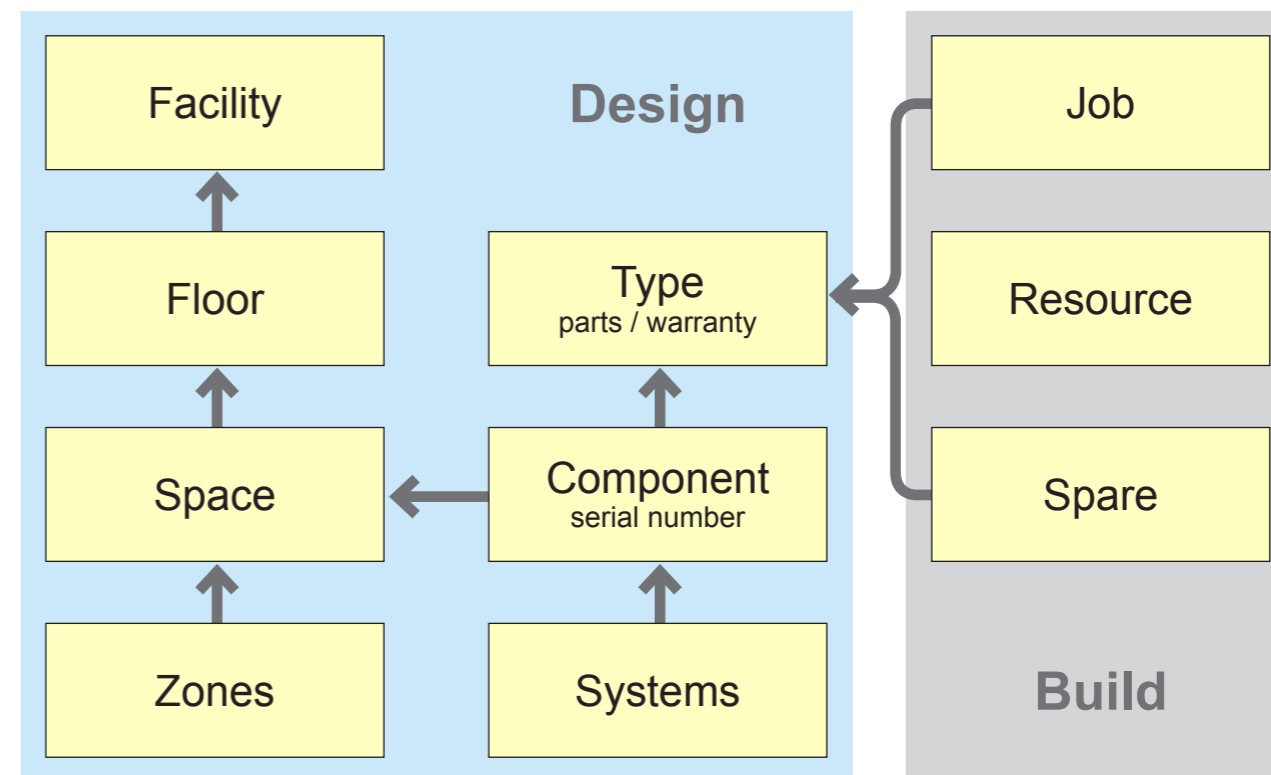
Data Drop 2:
Model represents
OUTLINE SOLUTION

Data Drop 3:
Model represents
CONSTRUCTION INFORMATION

Data Drop 4:
Model represents
OPERATIONS and MAINTENANCE INFORMATION

Data Drop 5 (and subsequent drops):
Model represents
POST OCCUPANCY VALIDATION INFORMATION and ONGOING O&M

Note:
Visually, the representation of the data drops sometimes differ not that much. This is because in essence the visual aspect of the design representation does not change that much. It is the underlying information that changes and grows. Therefore, we have highlighted the fundamental differences between the data drops for a basic cell configuration.



The COBie tabs as progressively filled out throughout project

Instruction / Contact / Facility / Floor / Space / Zone / Type / Component / System / Assembly / Connection / Spare / Resource / Job / Impact / Document / Attribute / Coordinate / Issue / Picklists

The COBie tabs as they appear on a COBie worksheet in Excel

Prior to Data Drop 1 Project Initiated

brydenwood

1	Title	COBie							
2	Version	2							
3	Release	40							
4	Status	IFC2x3							
5	Region	en-UK							
6	Purpose		From	Till	Count	Ratio	Key	This spreadsheet supports the exchange of building, system and product information	
7	Outline		2012-01-19	2012-01-20	1181	11.46	Additional information per Object	Individual worksheets are organized by project phase as shown below	
8									
9	All Phases	Sheet	From	Till	Count	Ratio	Key	Contents	
10		Contact	2012-01-19	2012-01-20	3	0.03	Contacts per Object	People and Companies	
11									
12	Early Design Worksheets	Sheet	From	Till	Count	Ratio	Key	Contents	
13		Facility	2012-01-19	2012-01-19	1				
14		Floor	2012-01-19	2012-01-19	1	1.00	Floors per Facility	Vertical levels and exterior areas	
15		Space	2012-01-19	2012-01-20	3	3.00	Spaces per Floor	Spaces	
16		Zone	2012-01-20	2012-01-20	1	3.00	Spaces per Zone	Sets of spaces sharing a specific attribute	
17		Type	2012-01-19	2012-01-20	19	1.84	Components per Type	Types of equipment, products, and materials	
18									
19	Detailed Design Worksheet	Sheet	From	Till	Count	Ratio	Key	Contents	
20		Component	2012-01-19	2012-01-19	35	11.67	Components per Space	Individually named or schedule items	
21		System	2012-01-19	2012-01-20	35	1.00	Components per System	Sets of components providing a service	
22		Assembly	2012-01-19	2012-01-19	6	0.06	Assemblies per Object	Constituents for Types, Components and others	
23		Connection			0	0.00	Connections per Object	Logical connections between components	
24		Impact	2012-01-20	2012-01-20	26	0.27	Impacts per Object	Economic, Environmental and Social Impacts at various stages in the life cycle	
25									
26	Construction Worksheets	Sheet	From	Till	Count	Ratio	Key	Contents	
27								Note: submittals and approvals added on Documents	
28								Note: manufacturer and model added on Type	
29								Note: serial and tag added on Component	
30									
31	Operations and Maintenance	Sheet	From	Till	Count	Ratio	Key	Contents	
32		Spare	2012-01-19	2012-01-20	12	0.63	Spares per Type	Onsite and replacement parts	
33		Resource			0	0.00	Resources per Type	Required materials, tools, and training	
34		Job	2012-01-19	2012-01-20	12	0.63	Jobs per Type	PM, Safety, and other job plans	
35								Note: warranty information added on Type	
36									
37	All Phases	Sheet	From	Till	Count	Ratio	Key	Contents	
38		Document	2012-01-19	2012-01-20	87	0.92	Documents per Object	All applicable document references	
39		Attribute	2012-01-19	2012-01-20	0	0.00	Attributes per Object	Properties of referenced item	
40		Coordinate	2012-01-19	2012-01-19	87	0.92	Coordinates per Object	Spatial locations in box, line, or point format	
41		Issue			0	0.00	Issues per Object	Other issues remaining at handover.	
42									

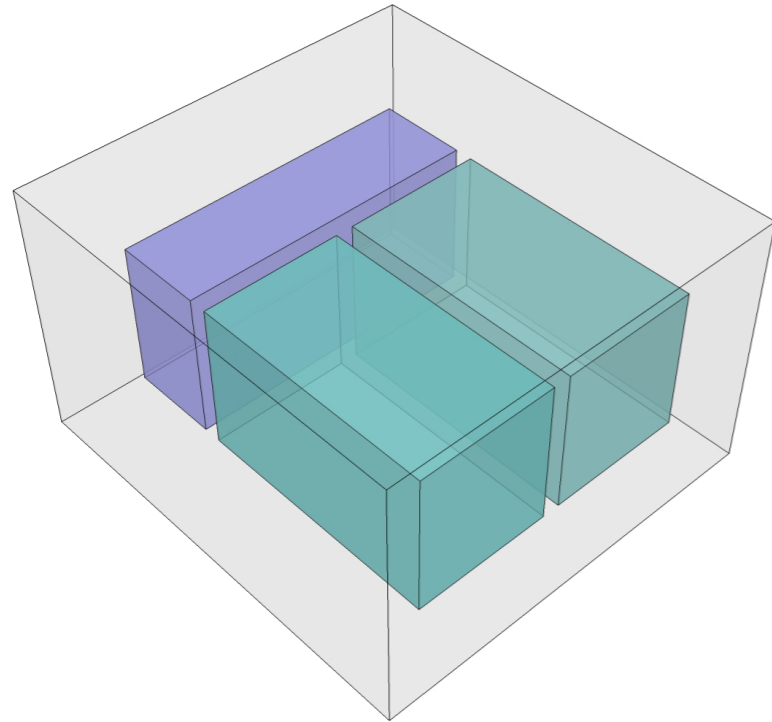
1	Email	Company	Phone	External System	External Object	External Identifier	Department	Organization Code	Given Name	Family Name	Street	Postal Box	Town	State/Region	Postal Code	Country
2	johnton@brydenw...	Bryden Wood	020 7253 4772		lfcPerson	Johnston	design	BW	Jaimie	Johnston	99 Charter	n/a	London	n/a	EC1M 6HP	UK
3	nn@aec3.com	AEC3	01494 714933				qa	AEC3	Nick	Nisbet	46 St Mar	n/a	High Wyco	Buckingham	HP15 6HP	UK
4	sales@wallgate.co.uk	Wallgate Ltd	01722 744 594				sales	Wallgate	sales	team	Crow Lan	n/a	Salisbury	Wiltshire	SP2 0HB	UK
5																
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9																
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When project is initiated data is entered by hand. Tabs are colour coded according to BIM implementation strategy

Relevant contact data is entered by hand in the contact tab.

- Required
- Reference to other sheet or pick list
- External reference
- If specified as required
- Secondary information when preparing product data

Data Drop 1
 Model represents
REQUIREMENTS and CONSTRAINTS



Spatial model - simple 'boxes' are used represent individual spaces

The data available at drop 1 is broadly consistent with that expected at RIBA Stage B. The rationale for the data drop is to approve the 'Outline Business Case'. The checks are to ensure the emergent design and specifications are consistent with the client brief in terms of function, cost and carbon. The model will be made up as a massing model indicating space allocation and overall site location.

The model contains all client requirements and constraints information.

The model can be used to communicate back requirements to the client and feasibility analysis can be done.

Room data sheets can be generated from the model that represent detailed client requirements for all spaces

Typically there are room data sheets for:

1. Required Functionality of the space
2. Required environmental conditions for the space
3. Required performances for finishes

RDS - representing functional requirements

Room Data Sheet	
Room ID	Room Name
0-000-01	Room 01
0-000-02	Room 02
0-000-03	Room 03
0-000-04	Room 04
0-000-05	Room 05
0-000-06	Room 06
0-000-07	Room 07
0-000-08	Room 08
0-000-09	Room 09
0-000-10	Room 10
0-000-11	Room 11
0-000-12	Room 12
0-000-13	Room 13
0-000-14	Room 14
0-000-15	Room 15
0-000-16	Room 16
0-000-17	Room 17
0-000-18	Room 18
0-000-19	Room 19
0-000-20	Room 20

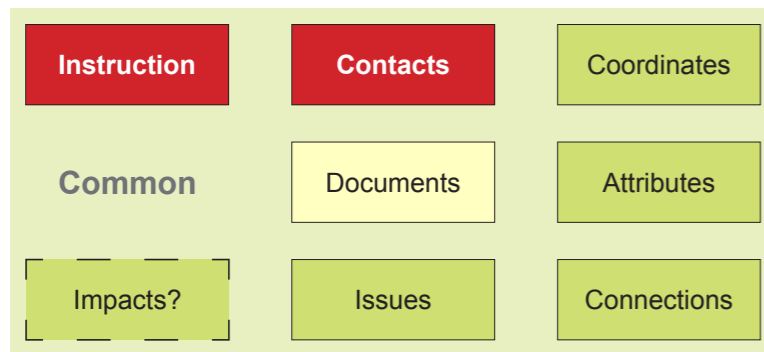
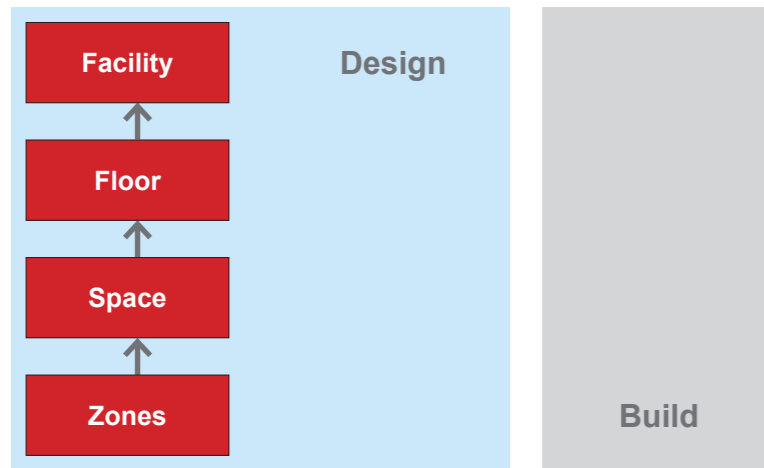
RDS - representing environmental requirements

Room ID	Room Name	Area (sqm)	Volume (m3)	Height (m)	Orientation	Glazing Area (sqm)	Glazing U-value (W/m2K)	Roof U-value (W/m2K)	Floor U-value (W/m2K)	Wall U-value (W/m2K)	Window-to-Wall Ratio	Window-to-Floor Ratio	Window-to-Roof Ratio
0-000-01	Room 01	100	1000	10	N	100	1.0	0.2	0.1	0.3	1.0	1.0	1.0
0-000-02	Room 02	100	1000	10	E	100	1.0	0.2	0.1	0.3	1.0	1.0	1.0
0-000-03	Room 03	100	1000	10	S	100	1.0	0.2	0.1	0.3	1.0	1.0	1.0
0-000-04	Room 04	100	1000	10	W	100	1.0	0.2	0.1	0.3	1.0	1.0	1.0
0-000-05	Room 05	100	1000	10	SW	100	1.0	0.2	0.1	0.3	1.0	1.0	1.0
0-000-06	Room 06	100	1000	10	SE	100	1.0	0.2	0.1	0.3	1.0	1.0	1.0
0-000-07	Room 07	100	1000	10	NE	100	1.0	0.2	0.1	0.3	1.0	1.0	1.0
0-000-08	Room 08	100	1000	10	NW	100	1.0	0.2	0.1	0.3	1.0	1.0	1.0
0-000-09	Room 09	100	1000	10	EW	100	1.0	0.2	0.1	0.3	1.0	1.0	1.0
0-000-10	Room 10	100	1000	10	ES	100	1.0	0.2	0.1	0.3	1.0	1.0	1.0
0-000-11	Room 11	100	1000	10	SE	100	1.0	0.2	0.1	0.3	1.0	1.0	1.0
0-000-12	Room 12	100	1000	10	SW	100	1.0	0.2	0.1	0.3	1.0	1.0	1.0
0-000-13	Room 13	100	1000	10	NE	100	1.0	0.2	0.1	0.3	1.0	1.0	1.0
0-000-14	Room 14	100	1000	10	NW	100	1.0	0.2	0.1	0.3	1.0	1.0	1.0
0-000-15	Room 15	100	1000	10	EW	100	1.0	0.2	0.1	0.3	1.0	1.0	1.0
0-000-16	Room 16	100	1000	10	ES	100	1.0	0.2	0.1	0.3	1.0	1.0	1.0
0-000-17	Room 17	100	1000	10	SE	100	1.0	0.2	0.1	0.3	1.0	1.0	1.0
0-000-18	Room 18	100	1000	10	SW	100	1.0	0.2	0.1	0.3	1.0	1.0	1.0
0-000-19	Room 19	100	1000	10	NE	100	1.0	0.2	0.1	0.3	1.0	1.0	1.0
0-000-20	Room 20	100	1000	10	NW	100	1.0	0.2	0.1	0.3	1.0	1.0	1.0

RDS - representing finishes requirements

Room ID	Room Name	Area (sqm)	Volume (m3)	Height (m)	Orientation	Glazing Area (sqm)	Glazing U-value (W/m2K)	Roof U-value (W/m2K)	Floor U-value (W/m2K)	Wall U-value (W/m2K)	Window-to-Wall Ratio	Window-to-Floor Ratio	Window-to-Roof Ratio
0-000-01	Room 01	100	1000	10	N	100	1.0	0.2	0.1	0.3	1.0	1.0	1.0
0-000-02	Room 02	100	1000	10	E	100	1.0	0.2	0.1	0.3	1.0	1.0	1.0
0-000-03	Room 03	100	1000	10	S	100	1.0	0.2	0.1	0.3	1.0	1.0	1.0
0-000-04	Room 04	100	1000	10	W	100	1.0	0.2	0.1	0.3	1.0	1.0	1.0
0-000-05	Room 05	100	1000	10	SW	100	1.0	0.2	0.1	0.3	1.0	1.0	1.0
0-000-06	Room 06	100	1000	10	SE	100	1.0	0.2	0.1	0.3	1.0	1.0	1.0
0-000-07	Room 07	100	1000	10	NE	100	1.0	0.2	0.1	0.3	1.0	1.0	1.0
0-000-08	Room 08	100	1000	10	NW	100	1.0	0.2	0.1	0.3	1.0	1.0	1.0
0-000-09	Room 09	100	1000	10	EW	100	1.0	0.2	0.1	0.3	1.0	1.0	1.0
0-000-10	Room 10	100	1000	10	ES	100	1.0	0.2	0.1	0.3	1.0	1.0	1.0
0-000-11	Room 11	100	1000	10	SE	100	1.0	0.2	0.1	0.3	1.0	1.0	1.0
0-000-12	Room 12	100	1000	10	SW	100	1.0	0.2	0.1	0.3	1.0	1.0	1.0
0-000-13	Room 13	100	1000	10	NE	100	1.0	0.2	0.1	0.3	1.0	1.0	1.0
0-000-14	Room 14	100	1000	10	NW	100	1.0	0.2	0.1	0.3	1.0	1.0	1.0
0-000-15	Room 15	100	1000	10	EW	100	1.0	0.2	0.1	0.3	1.0	1.0	1.0
0-000-16	Room 16	100	1000	10	ES	100	1.0	0.2	0.1	0.3	1.0	1.0	1.0
0-000-17	Room 17	100	1000	10	SE	100	1.0	0.2	0.1	0.3	1.0	1.0	1.0
0-000-18	Room 18	100	1000	10	SW	100	1.0	0.2	0.1	0.3	1.0	1.0	1.0
0-000-19	Room 19	100	1000	10	NE	100	1.0	0.2	0.1	0.3	1.0	1.0	1.0
0-000-20	Room 20	100	1000	10	NW	100	1.0	0.2	0.1	0.3	1.0	1.0	1.0

Room Data Sheets - representing requirements



Data about facility entered manually. Not extracted from the model

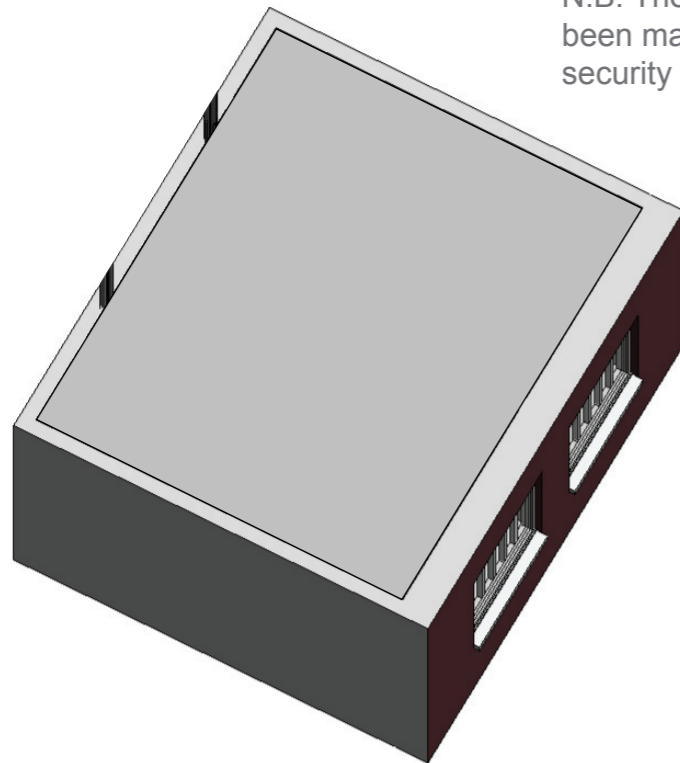
Data regarding floors extracted from the model

Data regarding spaces extracted from the model

Data regarding zones extracted from the model

Data Drop 2 Model represents OUTLINE SOLUTION

brydenwood



N.B. The interior of the cell has been masked for reasons of security and confidentiality

3D model - MEP and FF&E items such as sinks, desks, wc pans are generic

RDS - representing functionality as designed

RDS - representing environmental conditions as designed

RDS - representing finishes as designed

RDS - representing furniture

Room Data Sheets - representing design solution

The data available at drop 2 is broadly consistent with that expected at RIBA Stage D. The rationale for the data drop is to select the 'Main Contractor'. The checks are to ensure the interpreted design and specifications are consistent with the client brief in terms of function, cost and carbon and that the potential suppliers and supply chain can demonstrate capability and integrity through the competitive process and be selected to deliver the asset. The process (assuming a quantitative process) will include costs and carbon at a level to be agreed in the Employers Information Requirements (EIR). The data drop is indicated as a 2a and 2b in the documentation to indicate the model delivered by the client side technical team (2a) and the model returned by the contracting supply chain which is identified as 2b. The tender comparison data will be in 2b. The delta between 2a and 2b will identify areas of either non-compliance or alternative solutions.

The model can be used for tendering.

RDS can be generated that represent as designed solution for the cells.

Typically there are room data sheets for:

1. Functionality of the space
2. Environmental conditions of the space
3. Actual finishes
4. List of Furniture and Equipment for each room.

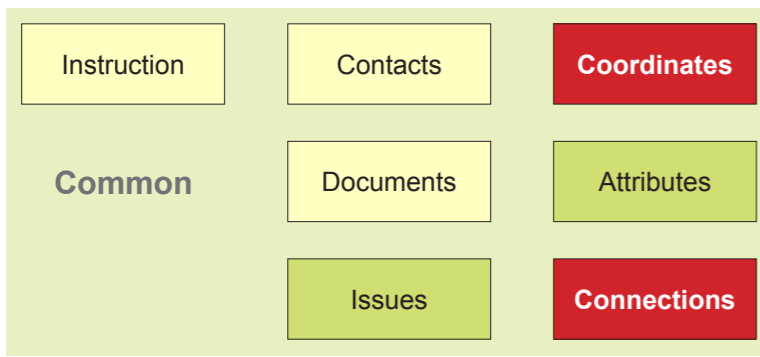
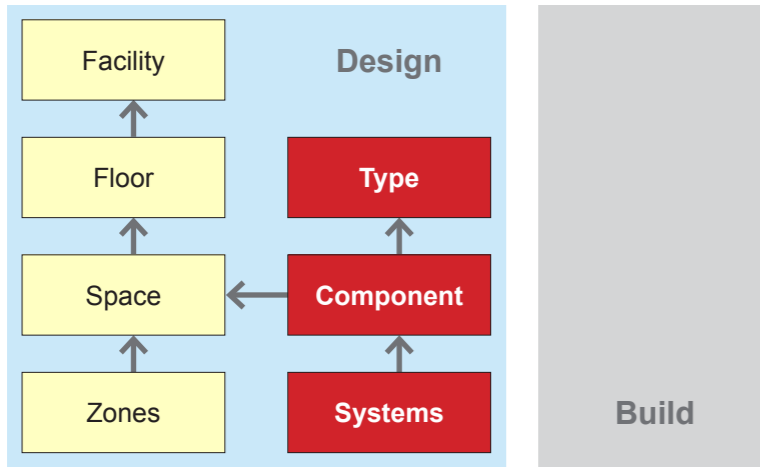
At this stage various schedules (door, windows, furniture, etc.) can be produced to inform the cost model.

The CIC Working Group indicates that the likely accuracy for information gathered at this stage is likely to be 75 - 80% with a tolerance of ±20 - 25%.

Difference with previous drop:

The model now represents a technical solution that can be built. All input from the contractor is incorporated into the model.





Data regarding types extracted from the model

Data regarding types extracted from the model

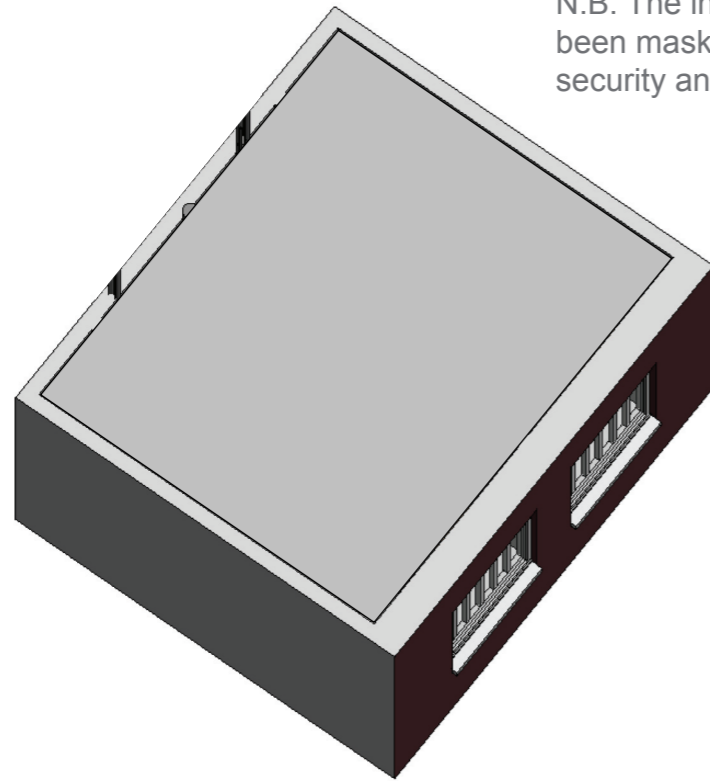
Data regarding types extracted from the model

Data regarding connections extracted from the model (no data in current model)

Data regarding coordinates extracted from the model

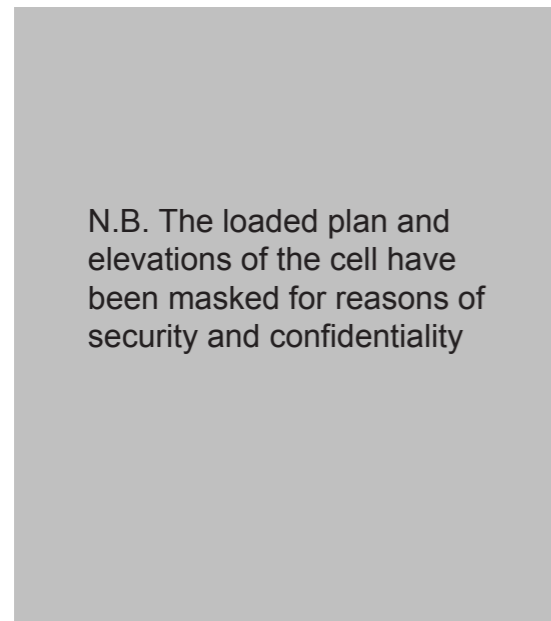
Data Drop 3

Model represents
CONSTRUCTION INFORMATION



N.B. The interior of the cell has been masked for reasons of security and confidentiality

3D model - MEP and FF&E items show actual products, plant and equipment



N.B. The loaded plan and elevations of the cell have been masked for reasons of security and confidentiality

Loaded Drawings and RDS

RDS - agreed environmental conditions for construction

Item	Value	Unit	Notes
...

RDS - agreed finishes for construction

Item	Value	Unit	Notes
...

RDS - agreed furniture

Item	Value	Unit	Notes
...

The data available at drop 3 is broadly consistent with that expected at RIBA Stage F. The rationale for the data drop is to approve the 'Agreed Maximum Price'. The checks are to ensure the developed design and specifications are consistent with the client brief in terms of function, cost and carbon performance.

The model is a fully coordinated technical solution developed from solution in drop 2.

The model can be used for construction.

Fully coordinated technical drawings can be generated for construction.

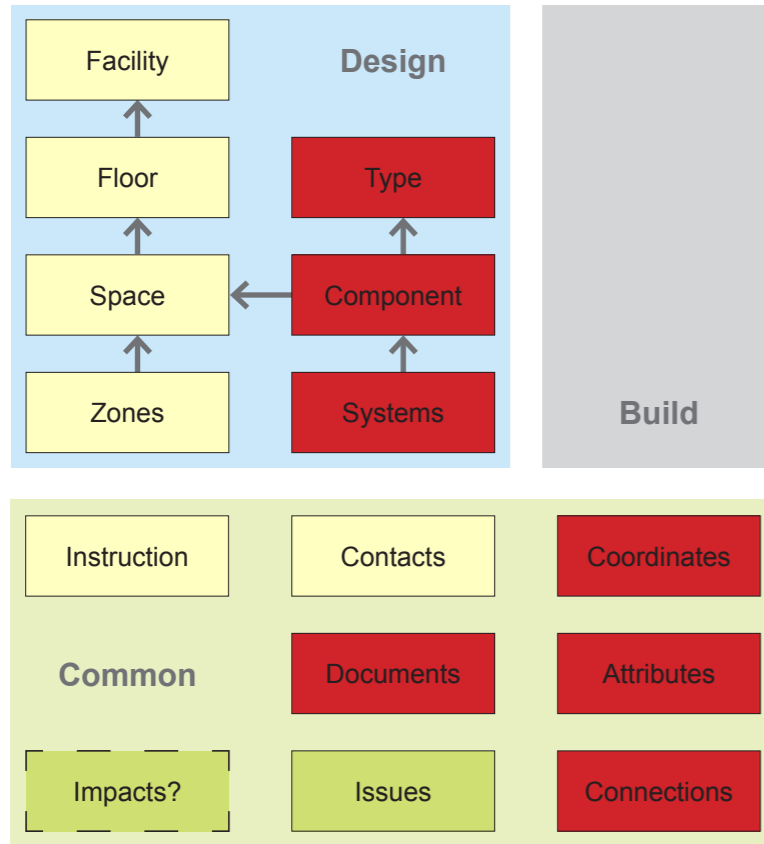
RDS can be generated for construction.

Various schedules (door, windows, furniture, etc.) can be produced for order.

The CIC Working Group indicates that the likely accuracy for information gathered at this stage is likely to be 85 - 90%.

Difference with previous drop:

The model now represents a technical solution that can be built. All input from the contractor is incorporated into the model.



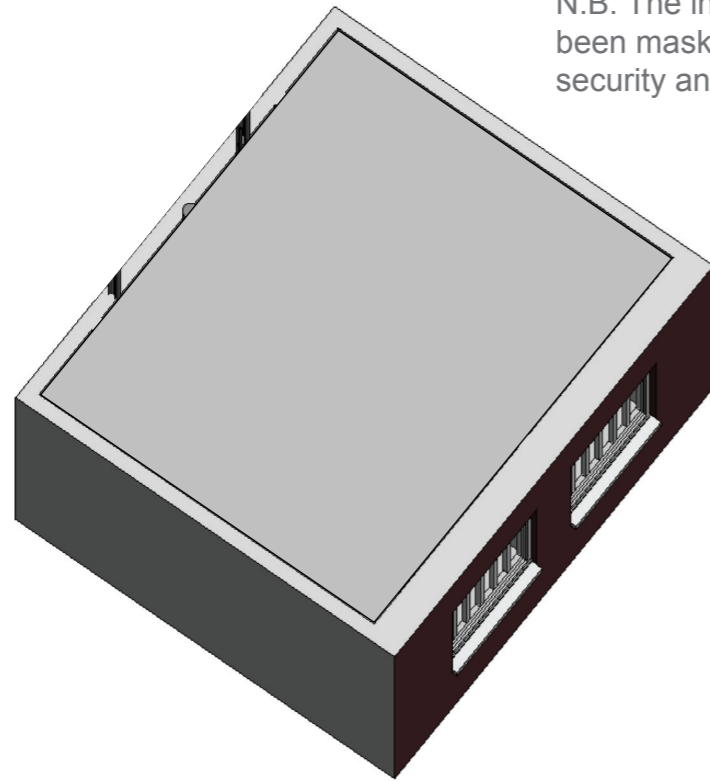
Type

Attribute

Data for Type, Components, Systems, and Coordinates, Connections, and Documents Attributes get updated to construction level by extracting updated information from the model

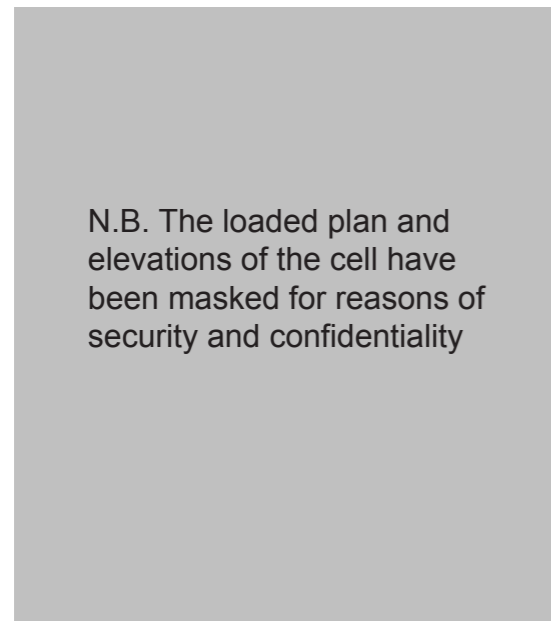
Data Drop 4

Model represents OPERATIONS and MAINTENANCE INFORMATION



N.B. The interior of the cell has been masked for reasons of security and confidentiality

3D model - MEP and FF&E items show as-installed products, plant and equipment



N.B. The loaded plan and elevations of the cell have been masked for reasons of security and confidentiality

Loaded Drawings and RDS

RDS - environmental conditions for O&M

Item	Value	Unit	Notes
Temperature	20	°C	Operating temperature
Humidity	50	%	Relative humidity
Lighting	300	lx	Minimum lighting level
Sound	55	dB	Maximum sound level

RDS - finishes for O&M

Item	Value	Unit	Notes
Wall	Paint	m ²	Interior wall finish
Floor	Carpet	m ²	Office floor finish
Ceiling	Acoustic	m ²	Acoustic ceiling finish

RDS - furniture for O&M

Item	Value	Unit	Notes
Desk	10	Units	Office desks
Chair	10	Units	Office chairs
Storage	5	Units	Office storage units

The data available at drop 4 is broadly consistent with that expected at RIBA Stage K. The rationale for the data drop is to take position of the 'Operations and Management' Information.

The data being collected is the operational and detailed functional information supplied by the product manufacturers. Particular attention needs to be placed on the needs of the first year of operations as many 'as installed' processes may invalidate warranties if incorrectly applied in the first year of operation.

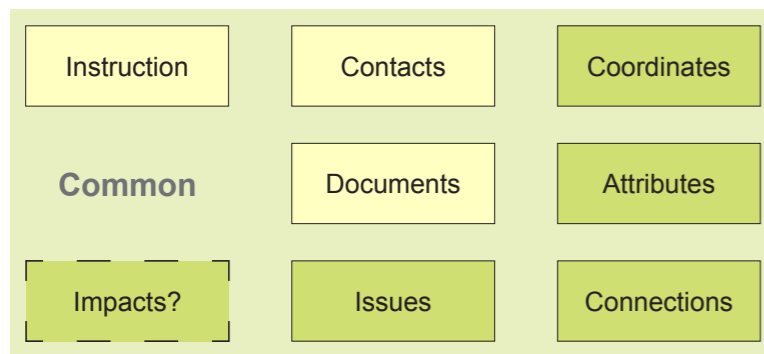
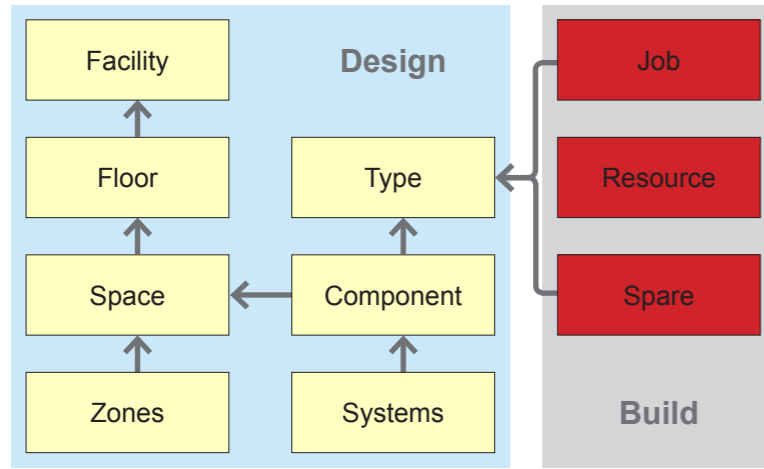
The model represent the building as built and contains all information provided by the various contractors to maintain it.

Information can be extracted from the model that is relevant for Facilities Management.

The likely accuracy for information gathered at this stage is to be 100%.

Difference with previous drop:

The model now represents the building as it is built. It also contains all information regarding systems and equipment as actually installed.



Data regarding Jobs, Resources and Spares for each 'Type' is keyed in manually by sub-contractors, to prepare COBie drop 4.

Definitions of Drop 5 have yet to be agreed but the concept of a post-occupancy information review to check how the asset is actually being used was seen as essential.

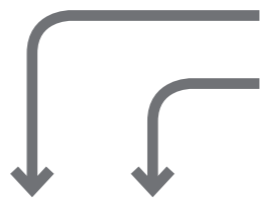
The COBie definitions are the same as drop 4 and this is seen as an opportunity to update the post occupancy systems with the final operational data set once systems and procedures have settled into operation. This is also seen as an opportunity to develop a useful data set regarding how the asset is actually used, but this will form part of a future activity.

Difference with previous drop:

The model now represents the building in use, and contains e.g. feedback information from the BMS system and estates management team.

Instruction

Title	COBie
Version	2
Release	4
Status	IFC2x3
Region	en-UK
Purpose	
Outline	



This column shows how many items (lines of data) there are in each of the tabs that follow
 This column shows ratios of e.g. average number of tributes per object

From	Till	Count	Ratio	Key	
2012-01-19	2012-01-20	2265	2.57	Additional information per Object	This spreadsheet supports the exchange of building, system and product information through the life of the project. Individual worksheets are organized by project phase as shown below

All Phases	Sheet	From	Till	Count	Ratio	Key	Contents
	Contact	2012-01-20	2012-01-20	3	0.00	Contacts per Object	People and Companies

Early Design Worksheets	Sheet	From	Till	Count	Ratio	Key	Contents
	Facility	2012-01-19	2012-01-19	1			
	Floor	2012-01-19	2012-01-19	1	1.00	Floors per Facility	Vertical levels and exterior areas
	Space	2012-01-19	2012-01-20	3	3.00	Spaces per Floor	Spaces
	Zone	2012-01-20	2012-01-20	1	3.00	Spaces per Zone	Sets of spaces sharing a specific attribute
	Type	2012-01-19	2012-02-28	3	108.67	Components per Type	Types of equipment, products, and materials

Detailed Design Worksheets	Sheet	From	Till	Count	Ratio	Key	Contents
	Component	2012-01-19	2012-02-28	326	108.67	Components per Space	Individually named or schedule items
	System	2012-01-19	2012-02-28	300	1.09	Components per System	Sets of components providing a service
	Assembly	2012-01-19	2012-01-19	6	0.01	Assemblies per Object	Constituents for Types, Components and others
	Connection			0	0.00	Connections per Object	Logical connections between components
	Impact	2012-01-20		26	0.04	Impacts per Object	Economic, Environmental and Social Impacts at various stages in the life cycle

Construction Worksheets	Sheet	From	Till	Count	Ratio	Key	Contents
							Note: submittals and approvals added on Documents Note: manufacturer and model added on Type Note: serial and tag added on Component

Operations and Maintenance W	Sheet	From	Till	Count	Ratio	Key	Contents
	Spare	2012-01-19	2012-01-20	12	4.00	Spares per Type	Onsite and replacement parts
	Resource			0	0.00	Resources per Type	Required materials, tools, and training
	Job	2012-01-19	2012-01-20	12	4.00	Jobs per Type	PM, Safety, and other job plans
							Note: warranty information added on Type

All Phases	Sheet	From	Till	Count	Ratio	Key	Contents
	Document	2012-01-19	2012-01-19	7	0.01	Documents per Object	All applicable document references
	Attribute	2012-01-19	2012-01-19	1480	2.33	Attributes per Object	Properties of referenced item
	Coordinate	2012-01-19	2012-01-19	87	0.14	Coordinates per Object	Spatial locations in box, line, or point format
	Issue			0	0.00	Issues per Object	Other issues remaining at handover.

Contact

Email	CreatedBy	CreatedOn	Category	Company	Phone	Department	OrganizationCode	GivenName	FamilyName	Street	PostalBox	Town	StateRegion	PostalCode	Country
ejesus@brydenwood.co.uk	ejesus@brydenwood.co.uk	2012-01-20T09:46:33	C66 : Production information	Bryden Wood Ltd	2072534772	design	BW	design	team	99 Charterhoun/a		London	London	EC1M 6HR	UK
nn@aec3.com	ejesus@brydenwood.co.uk	2012-01-20T09:46:33	C12 : Quality management	AEC3	01494 714933	qa	AEC3	Nick	Nisbet	46 St Margare n/a		High Wycombe	Buckingha	HP15 6HP	UK
sales@wallgate.co.uk	ejesus@brydenwood.co.uk	2012-01-20T09:46:33	Supplier	Wallgate Ltd	01722 744 594	sales	Wallgate	sales	team	Crow Lane	n/a	Salisbury	Wiltshire	SP2 0HB	UK



Facility

Name	CreatedBy	CreatedOn	Category	ProjectName	SiteName	LinearUnits	AreaUnits	VolumeUnits	CurrencyUnit	AreaMeasurement	Description	ProjectDescription	SiteDescription	Phase
StandardCell	ejesus@brydenwood	2012-01-19T12:27:24	D376 : Detention secure facilities prisons	StandardCell	StandardCell	millimeters	squaremeters	cubicmeters	Pounds	Indicative	Standard Cell	StandardCell	Crook Wood, Kent	RIBA 2010 K : Construction to Practical Completion

Floor

Name	CreatedBy	CreatedOn	Category	ExtObject	ExtIdentifier	Description	Elevation	Height
Level 0	ejesus@brydenwood.co.uk	2012-01-19T12:27:24	Floor	IfcBuildingStorey	1TB8MXxf6BAI7EOCcoVPF	Level 0	0	2700

Space

Name	CreatedBy	CreatedOn	Category	FloorName	Description	ExtObject	ExtIdentifier	RoomTag	UsableHeight	GrossArea	NetArea
L0-01A	ejesus@brydenwood	2012-01-19T12:27:24	F D376 : Detention secure facilities prisons	Level 0	Cell 1	IfcSpace	3cBcy7GEjBwPmXo\$	Cell 001	2500	7.615	7.615
L0-02B	ejesus@brydenwood	2012-01-19T12:27:24	F D376 : Detention secure facilities prisons	Level 0	Cell 2	IfcSpace	3cBcy7GEjBwPmXo\$	Cell 002	2500	7.615	7.615
L0-C01	nn@aec3.com	2012-01-20T10:01:14	F327 : Corridors	Level 0	Corridor 01	IfcSpace		Corr 001	2700	3.000	3.000

Zone

Name	CreatedBy	CreatedOn	Category	SpaceNames	ExtSystem	ExtObject	ExtIdentifier	Description
Secure	ejesus@br	2012-01-20T10:13:26	Circulation Zone	L0-01A, L0-02B,L0-C01				Secure zone for cells corridors and communal areas

Type

brydenwood

Name	CreateBy	CreateOn	Category	Description	AssetType	Manufacturer	ModelNumber	WarrantyGuaranteeParts	WarrantyDurationParts	WarrantyGuaranteeLabor	WarrantyDurationLabor	WarrantyDurationUnit	ExtIdentifier	ReplacementCost	ExpectedLife	DurationUnit	WarrantyDescription	NominalLength	NominalWidth	NominalHeight	ModelReference	Shape	Size	Color	Finish	Grade	Material	Constituents	Features	AccessabilityPerformance	CorePerformance	SustainabilityPerformance	
1810 x 2110mm	ejesus@brydenwood.c	2012-01-19T12:27:24	L41101 : Side hung	1810 x 2110mm	Fixed	n/a	n/a	n/a	n/a	n/a	n/a	year	1CDIQ4E3	n/a	n/a	year	n/a	1810.0	150.0	2110.0	Generic Int DD:1810 x 2110mm	n/a	n/a	n/a	n/a	n/a	Generic Glass	n/a	n/a	n/a	n/a	n/a	
790 x 2110mm 3	ejesus@brydenwood.c	2012-01-19T12:27:24	L41101 : Side hung	790 x 2110mm 3	Fixed	n/a	n/a	n/a	n/a	n/a	n/a	year	1USECSY8M	n/a	n/a	year	n/a	790.0	150.0	2110.0	Generic Int D Cell Door:790 x 2110mm	n/a	n/a	n/a	n/a	n/a	Generic Inserts	n/a	n/a	n/a	n/a	n/a	
Cell Bed Family	ejesus@brydenwood.c	2012-01-19T12:27:24	L8231 : Beds	Cell Bed family	Fixed	n/a	n/a	n/a	n/a	n/a	n/a	year	DuCr33MT	n/a	n/a	year	n/a	2000.0	700.0	400.0	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	
Desk Whitewood	ejesus@brydenwood.c	2012-01-19T12:27:24	L8531 : Desks	Desk Whitewood	Fixed	n/a	n/a	n/a	n/a	n/a	n/a	year	DuCr33MT	n/a	n/a	year	n/a	1360.0	450.0	900.0	n/a	n/a	n/a	n/a	n/a	n/a	Whitewood	n/a	n/a	n/a	n/a	n/a	
Cell Locker	ejesus@brydenwood.c	2012-01-19T12:27:24	L8234 : Bedside units	Cell Locker	Fixed	n/a	n/a	n/a	n/a	n/a	n/a	year	DuCr33MT	n/a	n/a	year	n/a	500.0	450.0	1000.0	n/a	n/a	n/a	n/a	n/a	Whitewood	n/a	n/a	n/a	n/a	n/a		
Safer Seat	ejesus@brydenwood.c	2012-01-19T12:27:24	L8222 : Chairs	Safer Seat	Moveable	n/a	n/a	n/a	n/a	n/a	n/a	year	DuCr33MT	n/a	n/a	year	n/a	500.0	500.0	500.0	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	
1275x1200H	ejesus@brydenwood.c	2012-01-19T12:27:24	L413 : Windows	1275x1200H	Fixed	n/a	n/a	n/a	n/a	n/a	n/a	year	1ZA_U6n1	n/a	n/a	year	n/a	1275.0	340.0	1200.0	Generic Int 7 Bay FF:1275x1200H	n/a	n/a	n/a	n/a	n/a	Generic Inserts	n/a	n/a	n/a	n/a	n/a	
Basic Wall-Generic Ext - 150mm	ejesus@brydenwood.c	2012-01-19T12:27:24	L384 : Partitions non-structural internal walls	Basic Wall-Generic Ext - 150mm	Fixed	n/a	n/a	n/a	n/a	n/a	n/a	year	n/a	n/a	n/a	year	n/a	1000.0	150.0	2700.0	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	
Basic Wall-Generic Ext - 340mm 2	ejesus@brydenwood.c	2012-01-19T12:27:24	L384 : Partitions non-structural internal walls	Basic Wall-Generic Ext - 340mm 2	Fixed	n/a	n/a	n/a	n/a	n/a	n/a	year	n/a	n/a	n/a	year	n/a	1000.0	340.0	2700.0	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	
Basic Wall-Generic Ext - 80mm	ejesus@brydenwood.c	2012-01-19T12:27:24	L384 : Partitions non-structural internal walls	Basic Wall-Generic Ext - 80mm	Fixed	n/a	n/a	n/a	n/a	n/a	n/a	year	n/a	n/a	n/a	year	n/a	1000.0	80.0	2675.0	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	
Concrete (Painted)	ejesus@brydenwood.c	2012-01-19T12:27:24	L3221 : Dense concrete blocks	Concrete (Painted)	Fixed	n/a	n/a	n/a	n/a	n/a	n/a	year	n/a	n/a	n/a	year	n/a	1000.0	1000.0	1000.0	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	
Generic	ejesus@brydenwood.c	2012-01-19T12:27:24	L7841 : Thermal insulation and linings	Generic	Fixed	n/a	n/a	n/a	n/a	n/a	n/a	year	n/a	n/a	n/a	year	n/a	1000.0	1000.0	1000.0	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	
Generic Inserts	ejesus@brydenwood.c	2012-01-19T12:27:24	L7841 : Thermal insulation and linings	Generic Inserts	Fixed	n/a	n/a	n/a	n/a	n/a	n/a	year	n/a	n/a	n/a	year	n/a	1000.0	1000.0	1000.0	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	
Material Brickwork	ejesus@brydenwood.c	2012-01-19T12:27:24	L321 : Bricks	Material Brickwork	Fixed	n/a	n/a	n/a	n/a	n/a	n/a	year	n/a	n/a	n/a	year	n/a	1000.0	1000.0	1000.0	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	
TFT Monitor	ejesus@brydenwood.c	2012-01-20T10:01:14	L7613 : Audio-visual information	TFT Monitor	Moveable	n/a	n/a	n/a	n/a	n/a	n/a	year	n/a	n/a	n/a	year	n/a	400.0	75.0	400.0	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	
Mirror	ejesus@brydenwood.c	2012-01-20T10:01:14	L8723 : Mirrors	Mirror	Moveable	n/a	n/a	n/a	n/a	n/a	n/a	year	n/a	n/a	n/a	year	n/a	290.0	75.0	390.0	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	
Plumbing SVP 1	ejesus@brydenwood.c	2012-01-20T10:01:14	L7313 : Sanitary above ground pipes and fittings	Plumbing SVP 1	Fixed	n/a	n/a	n/a	n/a	n/a	n/a	year	n/a	n/a	n/a	year	n/a	150.0	150.0	1000.0	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	
WC Pan 510 x 510mm	ejesus@brydenwood.c	2012-01-20T10:01:14	L72113 : Pans seats	WC Pan 510 x 510mm	Fixed	n/a	n/a	n/a	n/a	n/a	n/a	year	n/a	n/a	n/a	year	n/a	510.0	510.0	400.0	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	
Wallgate ALS80 Basin 470w x 300d	ejesus@brydenwood.c	2012-01-20T10:01:14	L72104 : Washbasins	Wallgate ALS80 Basin 470w x 300d	Fixed	sales@wallgate.co.uk	ALS80	n/a	n/a	n/a	n/a	year	n/a	n/a	n/a	year	n/a	470.0	300.0	900.0	ALS80	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
3 Way Valve - 20-100 mm: 15 mm	ejesus@brydenwood.c	2012-02-28T16:44:51	L73121 : Pipes and fittings	3 Way Valve - 20-100 mm: 15 mm	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	778621	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	
Balancing Damper - Rectangular: Standard	ejesus@brydenwood.c	2012-02-28T16:44:51	L75612 : Fire dampers for air ductlines	Balancing Damper - Rectangular: Standard	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	756578	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	
Bend - Plain - Ci: Standard	ejesus@brydenwood.c	2012-02-28T16:44:51	L73121 : Pipes and fittings	Bend - Plain - Ci: Standard	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	778608	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	
Boss 88 Deg Opposed Double - Plain - Ci: Standard	ejesus@brydenwood.c	2012-02-28T16:44:51	L73121 : Pipes and fittings	Boss 88 Deg Opposed Double - Plain - Ci: Standard	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	778612	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	
Branch 90 Deg Double - Plain - Ci: Standard	ejesus@brydenwood.c	2012-02-28T16:44:51	L73121 : Pipes and fittings	Branch 90 Deg Double - Plain - Ci: Standard	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	778610	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	
Coupling - Di: Standard	ejesus@brydenwood.c	2012-02-28T16:44:51	L73121 : Pipes and fittings	Coupling - Di: Standard	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	778608	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	
Data Outlet: Plain	ejesus@brydenwood.c	2012-02-28T16:44:51	G5561 : Communications Data networks Computer ne	Data Outlet: Plain	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	466008	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	
Data Outlet: TR	ejesus@brydenwood.c	2012-02-28T16:44:51	G5561 : Communications Data networks Computer ne	Data Outlet: TR	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	741029	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	
Diaphragm Valve - Straight - 15-50 mm: 15 mm	ejesus@brydenwood.c	2012-02-28T16:44:51	L7117 : Valves for water supply and distribution	Diaphragm Valve - Straight - 15-50 mm: 15 mm	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	778613	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	
Diaphragm Valve - Straight - 15-50 mm: 20 mm	ejesus@brydenwood.c	2012-02-28T16:44:51	L7117 : Valves for water supply and distribution	Diaphragm Valve - Straight - 15-50 mm: 20 mm	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	778625	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	
Intercom: CRU	ejesus@brydenwood.c	2012-02-28T16:44:51	L7632 : Intercom systems	Intercom: CRU	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	741035	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	
Intercom: CS	ejesus@brydenwood.c	2012-02-28T16:44:51	L7632 : Intercom systems	Intercom: CS	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	741031	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	
Intercom: ECU	ejesus@brydenwood.c	2012-02-28T16:44:51	L7632 : Intercom systems	Intercom: ECU	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	741033	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	
M_Bend - PVC - Sch 40 - DWV: Standard	ejesus@brydenwood.c	2012-02-28T16:44:51	L73121 : Pipes and fittings	M_Bend - PVC - Sch 40 - DWV: Standard	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	778593	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	
M_Diffuser Global - Sidelwall - Narrow: 200 x 200	ejesus@brydenwood.c	2012-02-28T16:44:51	G6421 : Terminals Supply and extract ventilation Grille	M_Diffuser Global - Sidelwall - Narrow: 200 x 200	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	756588	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	
M_Elbow - Generic: Standard	ejesus@brydenwood.c	2012-02-28T16:44:51	L73121 : Pipes and fittings	M_Elbow - Generic: Standard	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	778601	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	
M_Round Takeoff: Standard	ejesus@brydenwood.c	2012-02-28T16:44:51	G6421 : Terminals Supply and extract ventilation Grille	M_Round Takeoff: Standard	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	756569	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	
M_SW_Duct Rect FD Actionair 201: FD Actionair 201_rectangul	ejesus@brydenwood.c	2012-02-28T16:44:51	E73 : Ducts	M_SW_Duct Rect FD Actionair 201: FD Actionair 201_rectangul	n/a	Actionair	Series 201	n/a	n/a	n/a	n/a	n/a	756584	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	
M_Tee - Generic: Standard	ejesus@brydenwood.c	2012-02-28T16:44:51	L73121 : Pipes and fittings	M_Tee - Generic: Standard	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	778592	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	
M_Tee Sanitary - PVC - Sch 40 - DWV: Standard	ejesus@brydenwood.c	2012-02-28T16:44:51	L73121 : Pipes and fittings	M_Tee Sanitary - PVC - Sch 40 - DWV: Standard	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	778594	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	
M_Transition - Generic: Standard	ejesus@brydenwood.c	2012-02-28T16:44:51	L73121 : Pipes and fittings	M_Transition - Generic: Standard	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	778595	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	
M_WallgateUnit: M_WallgateUnit	ejesus@brydenwood																																

Component

brydenwood

Name	CreatedBy	CreatedOn	Type Name	Space	Description	ExtIdentifier	SerialNumber	InstallationDate	WarrantyStartDate	TagNumber	BarCode	AssetIdentifier
Safer Cell 7 Bay FF:1275x1200h:1275x1200h:211810	ejesus@brydenwood.co.uk	2012-01-19T12:27:24	1275x1200h	LO-01A	Safer Cell 7 Bay FF:1275x1200h:1275x1200h:211810	3cBcy7GEjBwPmXo\$zkl3KJ	n/a	n/a	n/a	211810	Generic Ins	n/a
Safer Cell 7 Bay FF:1275x1200h:1275x1200h:211811	ejesus@brydenwood.co.uk	2012-01-19T12:27:24	1275x1200h	LO-02B	Safer Cell 7 Bay FF:1275x1200h:1275x1200h:211811	3cBcy7GEjBwPmXo\$zkl3KI	n/a	n/a	n/a	211811	Generic Ins	n/a
Generic Int DD:1810 x 2110mm:1810 x 2110mm:211798	ejesus@brydenwood.co.uk	2012-01-19T12:27:24	1810 x 2110mm	LO-C01	Generic Int DD:1810 x 2110mm:1810 x 2110mm:211798	3cBcy7GEjBwPmXo\$zkl3Kd	n/a	n/a	n/a	211798	n/a	n/a
3 Way Valve-766487	ejesus@brydenwood.co.uk	2012-02-28T16:44:51	3 Way Valve - 20-100 mm: 15 mm		3 Way Valve - 20-100 mm: 15 mm	766487	n/a	n/a	n/a	n/a	n/a	n/a
3 Way Valve-766488	ejesus@brydenwood.co.uk	2012-02-28T16:44:51	3 Way Valve - 20-100 mm: 15 mm		3 Way Valve - 20-100 mm: 15 mm	766488	n/a	n/a	n/a	n/a	n/a	n/a
Generic Int D Cell Door:790 x 2110mm 3:790 x 2110mm 3:211814	ejesus@brydenwood.co.uk	2012-01-19T12:27:24	790 x 2110mm 3	LO-02B	Generic Int D Cell Door:790 x 2110mm 3:790 x 2110mm 3:211814	3cBcy7GEjBwPmXo\$zkl3KN	n/a	n/a	n/a	211814	n/a	n/a
Generic Int D Cell Door:790 x 2110mm 3:790 x 2110mm 3:211815	ejesus@brydenwood.co.uk	2012-01-19T12:27:24	790 x 2110mm 3	LO-01A	Generic Int D Cell Door:790 x 2110mm 3:790 x 2110mm 3:211815	3cBcy7GEjBwPmXo\$zkl3KM	n/a	n/a	n/a	211815	n/a	n/a
Balancing Damper-747660	ejesus@brydenwood.co.uk	2012-02-28T16:44:51	Balancing Damper - Rectangular: Standard		Balancing Damper - Rectangular: Standard	747660	n/a	n/a	n/a	n/a	n/a	n/a
Balancing Damper-747674	ejesus@brydenwood.co.uk	2012-02-28T16:44:51	Balancing Damper - Rectangular: Standard		Balancing Damper - Rectangular: Standard	747674	n/a	n/a	n/a	n/a	n/a	n/a
Basic Wall:Generic Ext - 150mm:211792	ejesus@brydenwood.co.uk	2012-01-19T12:27:24	Basic Wall:Generic Ext - 150mm	LO-01A , LO-02B	Basic Wall:Generic Ext - 150mm:211792	3cBcy7GEjBwPmXo\$zkl3KN	n/a	n/a	n/a	211792	n/a	n/a
Basic Wall:Generic Ext - 150mm:211793	ejesus@brydenwood.co.uk	2012-01-19T12:27:24	Basic Wall:Generic Ext - 150mm	LO-01A , LO-02B	Basic Wall:Generic Ext - 150mm:211793	3cBcy7GEjBwPmXo\$zkl3KW	n/a	n/a	n/a	211793	n/a	n/a
Basic Wall:Generic Ext - 150mm:211794	ejesus@brydenwood.co.uk	2012-01-19T12:27:24	Basic Wall:Generic Ext - 150mm	LO-01A	Basic Wall:Generic Ext - 150mm:211794	3cBcy7GEjBwPmXo\$zkl3KZ	n/a	n/a	n/a	211794	n/a	n/a
Basic Wall:Generic Ext - 150mm:211795	ejesus@brydenwood.co.uk	2012-01-19T12:27:24	Basic Wall:Generic Ext - 150mm	LO-01A , LO-01A	Basic Wall:Generic Ext - 150mm:211795	3cBcy7GEjBwPmXo\$zkl3KY	n/a	n/a	n/a	211795	n/a	n/a
Basic Wall:Generic Ext - 150mm:211796	ejesus@brydenwood.co.uk	2012-01-19T12:27:24	Basic Wall:Generic Ext - 150mm	LO-02B , LO-02B	Basic Wall:Generic Ext - 150mm:211796	3cBcy7GEjBwPmXo\$zkl3Kb	n/a	n/a	n/a	211796	n/a	n/a
Basic Wall:Generic Ext - 150mm:211797	ejesus@brydenwood.co.uk	2012-01-19T12:27:24	Basic Wall:Generic Ext - 150mm	LO-02B	Basic Wall:Generic Ext - 150mm:211797	3cBcy7GEjBwPmXo\$zkl3Ka	n/a	n/a	n/a	211797	n/a	n/a
Basic Wall:Generic Ext - 150mm:211829	ejesus@brydenwood.co.uk	2012-01-19T12:27:24	Basic Wall:Generic Ext - 150mm	LO-01A	Basic Wall:Generic Ext - 150mm:211829	3cBcy7GEjBwPmXo\$zkl3K4	n/a	n/a	n/a	211829	n/a	n/a
Basic Wall:Generic Ext - 150mm:211830	ejesus@brydenwood.co.uk	2012-01-19T12:27:24	Basic Wall:Generic Ext - 150mm	LO-02B	Basic Wall:Generic Ext - 150mm:211830	3cBcy7GEjBwPmXo\$zkl3K7	n/a	n/a	n/a	211830	n/a	n/a
Basic Wall:Generic Ext - 340mm 2:211809	ejesus@brydenwood.co.uk	2012-01-19T12:27:24	Basic Wall:Generic Ext - 340mm 2	LO-01A , LO-02B	Basic Wall:Generic Ext - 340mm 2:211809	3cBcy7GEjBwPmXo\$zkl3KG	n/a	n/a	n/a	211809	n/a	n/a
Basic Wall:Generic Ext - 80mm:211799	ejesus@brydenwood.co.uk	2012-01-19T12:27:24	Basic Wall:Generic Ext - 80mm	LO-01A	Basic Wall:Generic Ext - 80mm:211799	3cBcy7GEjBwPmXo\$zkl3Kc	n/a	n/a	n/a	211799	n/a	n/a
Basic Wall:Generic Ext - 80mm:211800	ejesus@brydenwood.co.uk	2012-01-19T12:27:24	Basic Wall:Generic Ext - 80mm	LO-01A	Basic Wall:Generic Ext - 80mm:211800	3cBcy7GEjBwPmXo\$zkl3Kf	n/a	n/a	n/a	211800	n/a	n/a
Basic Wall:Generic Ext - 80mm:211801	ejesus@brydenwood.co.uk	2012-01-19T12:27:24	Basic Wall:Generic Ext - 80mm	LO-02B	Basic Wall:Generic Ext - 80mm:211801	3cBcy7GEjBwPmXo\$zkl3Ke	n/a	n/a	n/a	211801	n/a	n/a
Basic Wall:Generic Ext - 80mm:211802	ejesus@brydenwood.co.uk	2012-01-19T12:27:24	Basic Wall:Generic Ext - 80mm	LO-02B	Basic Wall:Generic Ext - 80mm:211802	3cBcy7GEjBwPmXo\$zkl3Kh	n/a	n/a	n/a	211802	n/a	n/a
Bend -766279	ejesus@brydenwood.co.uk	2012-02-28T16:44:51	Bend - Plain - CI: Standard		Bend - Plain - CI: Standard	766279	n/a	n/a	n/a	n/a	n/a	n/a
Bend -766282	ejesus@brydenwood.co.uk	2012-02-28T16:44:51	Bend - Plain - CI: Standard		Bend - Plain - CI: Standard	766282	n/a	n/a	n/a	n/a	n/a	n/a
Boss 88 -766252	ejesus@brydenwood.co.uk	2012-02-28T16:44:51	Boss 88 Deg Opposed Double - Plain - CI: Standard		Boss 88 Deg Opposed Double - Plain - CI: Standard	766252	n/a	n/a	n/a	n/a	n/a	n/a
Boss 88 -766268	ejesus@brydenwood.co.uk	2012-02-28T16:44:51	Boss 88 Deg Opposed Double - Plain - CI: Standard		Boss 88 Deg Opposed Double - Plain - CI: Standard	766268	n/a	n/a	n/a	n/a	n/a	n/a
Branch 90 -766246	ejesus@brydenwood.co.uk	2012-02-28T16:44:51	Branch 90 Deg Double - Plain - CI: Standard		Branch 90 Deg Double - Plain - CI: Standard	766246	n/a	n/a	n/a	n/a	n/a	n/a
Cell Bed family:Cell Bed family:Cell Bed family:211786	ejesus@brydenwood.co.uk	2012-01-19T12:27:24	Cell Bed family	LO-01A	Cell Bed family:Cell Bed family:Cell Bed family:211786	3cBcy7GEjBwPmXo\$zkl3Kx	n/a	n/a	n/a	211786	n/a	n/a
Cell Bed family:Cell Bed family:Cell Bed family:211804	ejesus@brydenwood.co.uk	2012-01-19T12:27:24	Cell Bed family	LO-02B	Cell Bed family:Cell Bed family:Cell Bed family:211804	3cBcy7GEjBwPmXo\$zkl3Kj	n/a	n/a	n/a	211804	n/a	n/a
Cell Locker:Cell Locker:Cell Locker:211789	ejesus@brydenwood.co.uk	2012-01-19T12:27:24	Cell Locker	LO-01A	Cell Locker:Cell Locker:Cell Locker:211789	3cBcy7GEjBwPmXo\$zkl3Ky	n/a	n/a	n/a	211789	n/a	n/a
Cell Locker:Cell Locker:Cell Locker:211806	ejesus@brydenwood.co.uk	2012-01-19T12:27:24	Cell Locker	LO-02B	Cell Locker:Cell Locker:Cell Locker:211806	3cBcy7GEjBwPmXo\$zkl3KI	n/a	n/a	n/a	211806	n/a	n/a
Coupling -766247	ejesus@brydenwood.co.uk	2012-02-28T16:44:51	Coupling - DI: Standard		Coupling - DI: Standard	766247	n/a	n/a	n/a	n/a	n/a	n/a
Coupling -766248	ejesus@brydenwood.co.uk	2012-02-28T16:44:51	Coupling - DI: Standard		Coupling - DI: Standard	766248	n/a	n/a	n/a	n/a	n/a	n/a
Coupling -766249	ejesus@brydenwood.co.uk	2012-02-28T16:44:51	Coupling - DI: Standard		Coupling - DI: Standard	766249	n/a	n/a	n/a	n/a	n/a	n/a
Coupling -766250	ejesus@brydenwood.co.uk	2012-02-28T16:44:51	Coupling - DI: Standard		Coupling - DI: Standard	766250	n/a	n/a	n/a	n/a	n/a	n/a
Coupling -766255	ejesus@brydenwood.co.uk	2012-02-28T16:44:51	Coupling - DI: Standard		Coupling - DI: Standard	766255	n/a	n/a	n/a	n/a	n/a	n/a
Coupling -766262	ejesus@brydenwood.co.uk	2012-02-28T16:44:51	Coupling - DI: Standard		Coupling - DI: Standard	766262	n/a	n/a	n/a	n/a	n/a	n/a
Coupling -766264	ejesus@brydenwood.co.uk	2012-02-28T16:44:51	Coupling - DI: Standard		Coupling - DI: Standard	766264	n/a	n/a	n/a	n/a	n/a	n/a
Coupling -766276	ejesus@brydenwood.co.uk	2012-02-28T16:44:51	Coupling - DI: Standard		Coupling - DI: Standard	766276	n/a	n/a	n/a	n/a	n/a	n/a
Coupling -766277	ejesus@brydenwood.co.uk	2012-02-28T16:44:51	Coupling - DI: Standard		Coupling - DI: Standard	766277	n/a	n/a	n/a	n/a	n/a	n/a
Coupling -766280	ejesus@brydenwood.co.uk	2012-02-28T16:44:51	Coupling - DI: Standard		Coupling - DI: Standard	766280	n/a	n/a	n/a	n/a	n/a	n/a
Coupling -766283	ejesus@brydenwood.co.uk	2012-02-28T16:44:51	Coupling - DI: Standard		Coupling - DI: Standard	766283	n/a	n/a	n/a	n/a	n/a	n/a
Data Outlet -738998	ejesus@brydenwood.co.uk	2012-02-28T16:44:51	Data Outlet: Plain		Data Outlet: Plain	738998	n/a	n/a	n/a	n/a	n/a	n/a
Data Outlet -738996	ejesus@brydenwood.co.uk	2012-02-28T16:44:51	Data Outlet1: TR		Data Outlet1: TR	738996	n/a	n/a	n/a	n/a	n/a	n/a
Cell Desk:Desk Whitewood:Desk Whitewood:211787	ejesus@brydenwood.co.uk	2012-01-19T12:27:24	Desk Whitewood	LO-01A	Cell Desk:Desk Whitewood:Desk Whitewood:211787	3cBcy7GEjBwPmXo\$zkl3Kw	n/a	n/a	n/a	211787	n/a	n/a
Cell Desk:Desk Whitewood:Desk Whitewood:211805	ejesus@brydenwood.co.uk	2012-01-19T12:27:24	Desk Whitewood	LO-02B	Cell Desk:Desk Whitewood:Desk Whitewood:211805	3cBcy7GEjBwPmXo\$zkl3Ki	n/a	n/a	n/a	211805	n/a	n/a
Diaphragm Valve -766337	ejesus@brydenwood.co.uk	2012-02-28T16:44:51	Diaphragm Valve - Straight - 15-50 mm: 15 mm		Diaphragm Valve - Straight - 15-50 mm: 15 mm	766337	n/a	n/a	n/a	n/a	n/a	n/a
Diaphragm Valve -766339	ejesus@brydenwood.co.uk	2012-02-28T16:44:51	Diaphragm Valve - Straight - 15-50 mm: 15 mm		Diaphragm Valve - Straight - 15-50 mm: 15 mm	766339	n/a	n/a	n/a	n/a	n/a	n/a

Note: Only an excerpt has been included. The full list of 'Components' for the two cells runs to 327 lines



System

brydenwood

Name	CreatedBy	CreatedOn	Category	ComponentNames	ExtIdentifier	Description
Architectural - Electrical	ejesus@brydenwood.co.uk	2012-01-19T12:27:24	G531 : General purpose outlets	TFT Monitor:TFT Monitor:TFT Monitor:211790	n/a	Small power circuit for Level 1
Architectural - Electrical	ejesus@brydenwood.co.uk	2012-01-19T12:27:24	G531 : General purpose outlets	TFT Monitor:TFT Monitor:TFT Monitor:211812	n/a	Small power circuit for Level 1
Architectural - Electrical	ejesus@brydenwood.co.uk	2012-01-19T12:27:24	G531 : General purpose outlets	Mirror:Mirror:Mirror:211825	n/a	Small power circuit for Level 1
Architectural - Electrical	ejesus@brydenwood.co.uk	2012-01-19T12:27:24	G531 : General purpose outlets	Mirror:Mirror:Mirror:211826	n/a	Small power circuit for Level 1
Architectural - Internal fabric	ejesus@brydenwood.co.uk	2012-01-19T12:27:24	G252 : Internal walls and partitions	Generic Int DD:1810 x 2110mm:1810 x 2110mm:211798	n/a	Internal fabric for Level 1
Architectural - Internal fabric	ejesus@brydenwood.co.uk	2012-01-19T12:27:24	G252 : Internal walls and partitions	Generic Int D Cell Door:790 x 2110mm 3:790 x 2110mm 3:211814	n/a	Internal fabric for Level 1
Architectural - Internal fabric	ejesus@brydenwood.co.uk	2012-01-19T12:27:24	G252 : Internal walls and partitions	Generic Int D Cell Door:790 x 2110mm 3:790 x 2110mm 3:211815	n/a	Internal fabric for Level 1
Architectural - Plumbing	ejesus@brydenwood.co.uk	2012-01-19T12:27:24	G58 : Removal/disposal	Plumbing SVP 1:Plumbing SVP 1:Plumbing SVP 1:211824	n/a	Plumbing for Level 1
Architectural - Plumbing	ejesus@brydenwood.co.uk	2012-01-19T12:27:24	G58 : Removal/disposal	WC Pan:510 x 510mm:510 x 510mm:211788	n/a	Plumbing for Level 1
Architectural - Plumbing	ejesus@brydenwood.co.uk	2012-01-19T12:27:24	G58 : Removal/disposal	Wallgate ALS80 Basin:470w x 300d:470w x 300d:211813	n/a	Plumbing for Level 1
Architectural - Plumbing	ejesus@brydenwood.co.uk	2012-01-19T12:27:24	G58 : Removal/disposal	WC Pan:510 x 510mm 2:510 x 510mm 2:211807	n/a	Plumbing for Level 1
Architectural - Plumbing	ejesus@brydenwood.co.uk	2012-01-19T12:27:24	G58 : Removal/disposal	Wallgate ALS80 Basin:470w x 300d:470w x 300d:211808	n/a	Plumbing for Level 1
Architectural - FFE	ejesus@brydenwood.co.uk	2012-01-19T12:27:24	G42 : Rest work FFE	Cell Bed family:Cell Bed family:Cell Bed family:211786	n/a	FFE
Architectural - FFE	ejesus@brydenwood.co.uk	2012-01-19T12:27:24	G42 : Rest work FFE	Cell Desk:Desk Whitewood:Desk Whitewood:211787	n/a	FFE
Architectural - FFE	ejesus@brydenwood.co.uk	2012-01-19T12:27:24	G42 : Rest work FFE	Cell Locker:Cell Locker:Cell Locker:211789	n/a	FFE
Architectural - FFE	ejesus@brydenwood.co.uk	2012-01-19T12:27:24	G42 : Rest work FFE	Safer Seat:Safer Seat:Safer Seat:211791	n/a	FFE
Architectural - FFE	ejesus@brydenwood.co.uk	2012-01-19T12:27:24	G42 : Rest work FFE	Safer Seat:Safer Seat:Safer Seat:211803	n/a	FFE
Architectural - FFE	ejesus@brydenwood.co.uk	2012-01-19T12:27:24	G42 : Rest work FFE	Cell Bed family:Cell Bed family:Cell Bed family:211804	n/a	FFE
Architectural - FFE	ejesus@brydenwood.co.uk	2012-01-19T12:27:24	G42 : Rest work FFE	Cell Desk:Desk Whitewood:Desk Whitewood:211805	n/a	FFE
Architectural - FFE	ejesus@brydenwood.co.uk	2012-01-19T12:27:24	G42 : Rest work FFE	Cell Locker:Cell Locker:Cell Locker:211806	n/a	FFE
Architectural - Internal fabric	ejesus@brydenwood.co.uk	2012-01-19T12:27:24	G252 : Internal walls and partitions	Basic Wall:Generic Ext - 150mm:211792	n/a	Internal fabric for Level 1
Architectural - Internal fabric	ejesus@brydenwood.co.uk	2012-01-19T12:27:24	G252 : Internal walls and partitions	Basic Wall:Generic Ext - 150mm:211793	n/a	Internal fabric for Level 1
Architectural - Internal fabric	ejesus@brydenwood.co.uk	2012-01-19T12:27:24	G252 : Internal walls and partitions	Basic Wall:Generic Ext - 150mm:211794	n/a	Internal fabric for Level 1
Architectural - Internal fabric	ejesus@brydenwood.co.uk	2012-01-19T12:27:24	G252 : Internal walls and partitions	Basic Wall:Generic Ext - 150mm:211795	n/a	Internal fabric for Level 1
Architectural - Internal fabric	ejesus@brydenwood.co.uk	2012-01-19T12:27:24	G252 : Internal walls and partitions	Basic Wall:Generic Ext - 150mm:211796	n/a	Internal fabric for Level 1
Architectural - Internal fabric	ejesus@brydenwood.co.uk	2012-01-19T12:27:24	G252 : Internal walls and partitions	Basic Wall:Generic Ext - 150mm:211797	n/a	Internal fabric for Level 1
Architectural - Internal fabric	ejesus@brydenwood.co.uk	2012-01-19T12:27:24	G252 : Internal walls and partitions	Basic Wall:Generic Ext - 80mm:211799	n/a	Internal fabric for Level 1
Architectural - Internal fabric	ejesus@brydenwood.co.uk	2012-01-19T12:27:24	G252 : Internal walls and partitions	Basic Wall:Generic Ext - 80mm:211800	n/a	Internal fabric for Level 1
Architectural - Internal fabric	ejesus@brydenwood.co.uk	2012-01-19T12:27:24	G252 : Internal walls and partitions	Basic Wall:Generic Ext - 80mm:211801	n/a	Internal fabric for Level 1
Architectural - Internal fabric	ejesus@brydenwood.co.uk	2012-01-19T12:27:24	G252 : Internal walls and partitions	Basic Wall:Generic Ext - 80mm:211802	n/a	Internal fabric for Level 1
Architectural - External envelope	ejesus@brydenwood.co.uk	2012-01-19T12:27:24	G251 : External walls	Basic Wall:Generic Ext - 340mm 2:211809	n/a	External envelope for Level 1
Architectural - External envelope	ejesus@brydenwood.co.uk	2012-01-19T12:27:24	G251 : External walls	Basic Wall:Generic Ext - 150mm:211829	n/a	External envelope for Level 1
Architectural - External envelope	ejesus@brydenwood.co.uk	2012-01-19T12:27:24	G251 : External walls	Basic Wall:Generic Ext - 150mm:211830	n/a	External envelope for Level 1
Architectural - External envelope	ejesus@brydenwood.co.uk	2012-01-19T12:27:24	G251 : External walls	Safer Cell 7 Bay FF:1275x1200h:1275x1200h:211810	n/a	External envelope for Level 1
Architectural - External envelope	ejesus@brydenwood.co.uk	2012-01-19T12:27:24	G251 : External walls	Safer Cell 7 Bay FF:1275x1200h:1275x1200h:211811	n/a	External envelope for Level 1
MEP - Plumbing	ejesus@brydenwood.co.uk	2012-02-28T16:44:51	G632 : Pipework	3 Way Valve-766487	786234	MEP - Plumbing
MEP - Plumbing	ejesus@brydenwood.co.uk	2012-02-28T16:44:51	G632 : Pipework	3 Way Valve-766488	786234	MEP - Plumbing
MEP - Plumbing	ejesus@brydenwood.co.uk	2012-02-28T16:44:51	G632 : Pipework	Bend -766279	786234	MEP - Plumbing
MEP - Plumbing	ejesus@brydenwood.co.uk	2012-02-28T16:44:51	G632 : Pipework	Bend -766282	786234	MEP - Plumbing

Note: Only an excerpt has been included. The full list of 'Systems' for the two cells runs to 301 lines



Assembly

Name	CreatedBy	CreatedOn	AssemblyType	SheetName	ParentName	ChildNames	ExtObject	ExtIdentifier	Description
Basic Wall:Generic Ext - 150mm layer 01	ejesus@brydenwood.co.uk	2012-01-19T12:27:24	Layer	Type	Basic Wall:Generic Ext - 150mm	Generic	IfcMaterialLayer	n/a	Generic : 150.
Basic Wall:Generic Ext - 80mm layer 01	ejesus@brydenwood.co.uk	2012-01-19T12:27:24	Layer	Type	Basic Wall:Generic Ext - 80mm	Generic	IfcMaterialLayer	n/a	Generic : 80.
Basic Wall:Generic Ext - 340mm 2 layer 01	ejesus@brydenwood.co.uk	2012-01-19T12:27:24	Layer	Type	Basic Wall:Generic Ext - 340mm 2	Material Brickwork	IfcMaterialLayer	n/a	Material Brickwork : 100.
Basic Wall:Generic Ext - 340mm 2 layer 02	ejesus@brydenwood.co.uk	2012-01-19T12:27:24	Layer	Type	Basic Wall:Generic Ext - 340mm 2	Generic Inserts	IfcMaterialLayer	n/a	Generic Inserts : 50.
Basic Wall:Generic Ext - 340mm 2 layer 03	ejesus@brydenwood.co.uk	2012-01-19T12:27:24	Layer	Type	Basic Wall:Generic Ext - 340mm 2	Generic Inserts	IfcMaterialLayer	n/a	Generic Inserts : 40.
Basic Wall:Generic Ext - 340mm 2 layer 04	ejesus@brydenwood.co.uk	2012-01-19T12:27:24	Layer	Type	Basic Wall:Generic Ext - 340mm 2	Concrete (Painted)	IfcMaterialLayer	n/a	Concrete (Painted) : 150.

Connection

Name	CreatedBy	CreatedOn	ConnectionType	SheetName	RowName1	RowName2	RealizingElement	PortName1	PortName2	ExtSystem	ExtObject	ExtIdentifier	Description

Note: There are currently no 'Connections' in the model

Spare

Name	CreatedBy	CreatedOn	Category	TypeName	Suppliers	ExtSystem	ExtObject	ExtIdentifier	Description	SetNumber	PartNumber
1810 x 2110mm Replacement Parts List	ejesus@br	2012-01-19T12:27:24	SpareSet	1810 x 2110mm	n/a		IfcConstructionProductResource		1810 x 2110mm	n/a	n/a
790 x 2110mm 3 Replacement Parts List	ejesus@br	2012-01-19T12:27:24	SpareSet	790 x 2110mm 3	n/a		IfcConstructionProductResource		790 x 2110mm 3	n/a	n/a
Cell Bed family Replacement Parts List	ejesus@br	2012-01-19T12:27:24	SpareSet	Cell Bed family	n/a		IfcConstructionProductResource		Cell Bed family	n/a	n/a
Desk Whitewood Replacement Parts List	ejesus@br	2012-01-19T12:27:24	SpareSet	Desk Whitewood	n/a		IfcConstructionProductResource		Desk Whitewood	n/a	n/a
Cell Locker Replacement Parts List	ejesus@br	2012-01-19T12:27:24	SpareSet	Cell Locker	n/a		IfcConstructionProductResource		Cell Locker	n/a	n/a
Safer Seat Replacement Parts List	ejesus@br	2012-01-19T12:27:24	SpareSet	Safer Seat	n/a		IfcConstructionProductResource		Safer Seat	n/a	n/a
1275x1200h Replacement Parts List	ejesus@br	2012-01-19T12:27:24	SpareSet	1275x1200h	n/a		IfcConstructionProductResource		1275x1200h	n/a	n/a
TFT Monitor Replacement Parts List	nn@aec3.d	2012-01-20T10:01:14	SpareSet	TFT Monitor	n/a		IfcConstructionProductResource		TFT Monitor	n/a	n/a
Mirror Replacement Parts List	nn@aec3.d	2012-01-20T10:01:14	SpareSet	Mirror	n/a		IfcConstructionProductResource		Mirror	n/a	n/a
Plumbing SVP 1 Replacement Parts List	nn@aec3.d	2012-01-20T10:01:14	SpareSet	Plumbing SVP 1	n/a		IfcConstructionProductResource		Plumbing SVP 1	n/a	n/a
WC Pan 510 x 510mm Replacement Parts List	nn@aec3.d	2012-01-20T10:01:14	SpareSet	WC Pan 510 x 510mm	n/a		IfcConstructionProductResource		WC Pan 510 x 510mm	n/a	n/a
Wallgate ALS80 Basin 470w x 300d Replacement Parts List	nn@aec3.d	2012-01-20T10:01:14	SpareSet	Wallgate ALS80 Basin 470w x 300d	n/a		IfcConstructionProductResource		Wallgate ALS80 Basin 470w x 300d	n/a	n/a

Resource

Name	CreatedBy	CreatedOn	Category	ExtSystem	ExtObject	ExtIdentifier	Description

Note: There are currently no 'Resources' in the model (this would be added at drop 4)

Job

Name	CreatedBy	CreatedOn	Category	Status	TypeName	Description	Duration	DurationUnit	Start	TaskStartUnit	Frequency	FrequencyUnit	ExtObject	ExtIdentifier	TaskNumber	Priors	ResourceNames
1810 x 2110mm Maintenance Schedule	ejesus@br	2012-01-19T12:27:24	PM	Not Yet Started	1810 x 2110	1810 x 2110mm	n/a	hour	n/a	n/a	n/a	year	IfcTask		n/a	n/a	n/a
790 x 2110mm 3 Maintenance Schedule	ejesus@br	2012-01-19T12:27:24	PM	Not Yet Started	790 x 2110	790 x 2110mm 3	n/a	hour	n/a	n/a	n/a	year	IfcTask		n/a	n/a	n/a
Cell Bed family Maintenance Schedule	ejesus@br	2012-01-19T12:27:24	PM	Not Yet Started	Cell Bed fa	Cell Bed family	n/a	hour	n/a	n/a	n/a	year	IfcTask		n/a	n/a	n/a
Desk Whitewood Maintenance Schedule	ejesus@br	2012-01-19T12:27:24	PM	Not Yet Started	Desk Whit	Desk Whitewood	n/a	hour	n/a	n/a	n/a	year	IfcTask		n/a	n/a	n/a
Cell Locker Maintenance Schedule	ejesus@br	2012-01-19T12:27:24	PM	Not Yet Started	Cell Locker	Cell Locker	n/a	hour	n/a	n/a	n/a	year	IfcTask		n/a	n/a	n/a
Safer Seat Maintenance Schedule	ejesus@br	2012-01-19T12:27:24	PM	Not Yet Started	Safer Seat	Safer Seat	n/a	hour	n/a	n/a	n/a	year	IfcTask		n/a	n/a	n/a
1275x1200h Maintenance Schedule	ejesus@br	2012-01-19T12:27:24	PM	Not Yet Started	1275x1200	1275x1200h	n/a	hour	n/a	n/a	n/a	year	IfcTask		n/a	n/a	n/a
TFT Monitor Maintenance Schedule	nn@aec3.d	2012-01-20T10:01:14	PM	Not Yet Started	TFT Monit	TFT Monitor	n/a	hour	n/a	n/a	n/a	year	IfcTask		n/a	n/a	n/a
Mirror Maintenance Schedule	nn@aec3.d	2012-01-20T10:01:14	PM	Not Yet Started	Mirror	Mirror	n/a	hour	n/a	n/a	n/a	year	IfcTask		n/a	n/a	n/a
Plumbing SVP 1 Maintenance Schedule	nn@aec3.d	2012-01-20T10:01:14	PM	Not Yet Started	Plumbing	Plumbing SVP 1	n/a	hour	n/a	n/a	n/a	year	IfcTask		n/a	n/a	n/a
WC Pan 510 x 510mm Maintenance Schedule	nn@aec3.d	2012-01-20T10:01:14	PM	Not Yet Started	WC Pan 51	WC Pan 510 x 510mm	n/a	hour	n/a	n/a	n/a	year	IfcTask		n/a	n/a	n/a
Wallgate ALS80 Basin 470w x 300d Maintenance Schedule	nn@aec3.d	2012-01-20T10:01:14	PM	Not Yet Started	Wallgate A	Wallgate ALS80 Basin 470w x 300d	n/a	hour	n/a	n/a	n/a	year	IfcTask		n/a	n/a	n/a

Impact

Name	CreatedBy	CreatedOn	ImpactType	ImpactStage	SheetName	RowName	Value	ImpactUnit	LeadInTime	Duration	LeadOutTime	ExtSystem	ExtObject	ExtIdentifier	Description
1275x1200h Cost of production	nn@aec3.com	2012-01-20T10:01:14	Cost	production	Type	1275x1200h	500	currency	0	0	0				
1810 x 2110mm Cost of production	nn@aec3.com	2012-01-20T10:01:14	Cost	production	Type	1810 x 2110mm	500	currency	0	0	0				
790 x 2110mm 3 Cost of production	nn@aec3.com	2012-01-20T10:01:14	Cost	production	Type	790 x 2110mm 3	500	currency	0	0	0				
Basic Wall:Generic Ext - 150mm Cost of production	nn@aec3.com	2012-01-20T10:01:14	Cost	production	Type	Basic Wall:Generic Ext -	500	currency	0	0	0				per area
Basic Wall:Generic Ext - 340mm 2 Cost of production	nn@aec3.com	2012-01-20T10:01:14	Cost	production	Type	Basic Wall:Generic Ext -	500	currency	0	0	0				per area
Basic Wall:Generic Ext - 80mm Cost of production	nn@aec3.com	2012-01-20T10:01:14	Cost	production	Type	Basic Wall:Generic Ext -	500	currency	0	0	0				per area
Cell Bed family Cost of production	nn@aec3.com	2012-01-20T10:01:14	Cost	production	Type	Cell Bed family	500	currency	0	0	0				
Cell Locker Cost of production	nn@aec3.com	2012-01-20T10:01:14	Cost	production	Type	Cell Locker	500	currency	0	0	0				
Concrete (Painted) Cost of production	nn@aec3.com	2012-01-20T10:01:14	Cost	production	Type	Concrete (Painted)	500	currency	0	0	0				
Desk Whitewood Cost of production	nn@aec3.com	2012-01-20T10:01:14	Cost	production	Type	Desk Whitewood	500	currency	0	0	0				
Generic Cost of production	nn@aec3.com	2012-01-20T10:01:14	Cost	production	Type	Generic	500	currency	0	0	0				
Generic Inserts Cost of production	nn@aec3.com	2012-01-20T10:01:14	Cost	production	Type	Generic Inserts	500	currency	0	0	0				
Material Brickwork Cost of production	nn@aec3.com	2012-01-20T10:01:14	Cost	production	Type	Material Brickwork	500	currency	0	0	0				
Mirror Cost of production	nn@aec3.com	2012-01-20T10:01:14	Cost	production	Type	Mirror	500	currency	0	0	0				
Mirror PrimaryEnergyConsumption of use	nn@aec3.com	2012-01-20T10:01:14	PrimaryEnergyConsumption	use	Type	Mirror	500	MJ	0	1	0				
Plumbing SVP 1 Cost of production	nn@aec3.com	2012-01-20T10:01:14	Cost	production	Type	Plumbing SVP 1	500	currency	0	0	0				per length
Safer Seat Cost of production	nn@aec3.com	2012-01-20T10:01:14	Cost	production	Type	Safer Seat	500	currency	0	0	0				
TFT Monitor Cost of production	nn@aec3.com	2012-01-20T10:01:14	Cost	production	Type	TFT Monitor	500	currency	0	0	0				
TFT Monitor PrimaryEnergyConsumption of use	nn@aec3.com	2012-01-20T10:01:14	PrimaryEnergyConsumption	use	Type	TFT Monitor	500	MJ	0	1	0				
Wallgate ALS80 Basin 470w x 300d Cost of maintenance	nn@aec3.com	2012-01-20T10:01:14	Cost	maintenance	Type	Wallgate ALS80 Basin 4	50	currency	2	1	3				
Wallgate ALS80 Basin 470w x 300d Cost of production	nn@aec3.com	2012-01-20T10:01:14	Cost	production	Type	Wallgate ALS80 Basin 4	400	currency	0	0	0				
Wallgate ALS80 Basin 470w x 300d Cost of replacement	nn@aec3.com	2012-01-20T10:01:14	Cost	replacement	Type	Wallgate ALS80 Basin 4	500	currency	0	5	0				
WC Pan 510 x 510mm Cost of maintenance	nn@aec3.com	2012-01-20T10:01:14	Cost	maintenance	Type	WC Pan 510 x 510mm	50	currency	3	1	2				
WC Pan 510 x 510mm Cost of production	nn@aec3.com	2012-01-20T10:01:14	Cost	production	Type	WC Pan 510 x 510mm	500	currency	0	0	0				
WC Pan 510 x 510mm Cost of replacement	nn@aec3.com	2012-01-20T10:01:14	Cost	replacement	Type	WC Pan 510 x 510mm	600	currency	0	10	0				

Document

Name	CreatedBy	CreatedOn	Category	ApprovalBy	Stage	SheetName	RowName	Directory	File	ExtObject	ExtIdentifier	Description	Reference
1810 x 2110mm Product Data	ejesus@br	2012-01-19T12:27:24	Product Data	Information Only	Requirement	Type	1810 x 2110mm	n/a	n/a	lfcDoorStyle	1CDIQ4E3j8dvdnBU\$	1810 x 2110mm	1810 x 2110mm
790 x 2110mm 3 Product Data	ejesus@br	2012-01-19T12:27:24	Product Data	Information Only	Requirement	Type	790 x 2110mm 3	n/a	n/a	lfcDoorStyle	1uSEc\$Y8991R7F_wm	790 x 2110mm 3	790 x 2110mm 3
Cell Bed family Product Data	ejesus@br	2012-01-19T12:27:24	Product Data	Information Only	Requirement	Type	Cell Bed family	n/a	n/a	lfcFurnitureType	0uCr33MTbD2f0EID1Z	Cell Bed family	Cell Bed family
Desk Whitewood Product Data	ejesus@br	2012-01-19T12:27:24	Product Data	Information Only	Requirement	Type	Desk Whitewood	n/a	n/a	lfcFurnitureType	0uCr33MTbD2f0EID1Z	Desk Whitewood	Desk Whitewood
Cell Locker Product Data	ejesus@br	2012-01-19T12:27:24	Product Data	Information Only	Requirement	Type	Cell Locker	n/a	n/a	lfcFurnitureType	0uCr33MTbD2f0EID1Z	Cell Locker	Cell Locker
Safer Seat Product Data	ejesus@br	2012-01-19T12:27:24	Product Data	Information Only	Requirement	Type	Safer Seat	n/a	n/a	lfcFurnitureType	0uCr33MTbD2f0EID1Z	Safer Seat	Safer Seat
1275x1200h Product Data	ejesus@br	2012-01-19T12:27:24	Product Data	Information Only	Requirement	Type	1275x1200h	n/a	n/a	lfcWindowStyle	1ZA_U6nV93MPFF\$9C	1275x1200h	1275x1200h

Attribute

Name	CreatedBy	CreatedOn	Category	SheetName	RowName	Value	Unit	Description	
Author	ejesus@brydenwood.co.uk	2012-03-14T10:01:14	Requirement	Facility	StandardCell	n/a	n/a	Author	
Project Issue Date	ejesus@brydenwood.co.uk	2012-03-14T10:01:14	Requirement	Facility	StandardCell	Issue Date	n/a	Project Issue Date	
Project Status	ejesus@brydenwood.co.uk	2012-03-14T10:01:14	Requirement	Facility	StandardCell	Project Status	n/a	Project Status	
Client Name	ejesus@brydenwood.co.uk	2012-03-14T10:01:14	Requirement	Facility	StandardCell	Moj	n/a	Client Name	
Benefit	ejesus@brydenwood.co.uk	2012-03-14T10:01:14	Requirement	Facility	StandardCell		2 client	Beneficial measure	
Computation Height	ejesus@brydenwood.co.uk	2012-03-14T10:01:14	Requirement	Floor	Level 0		0.000 DUT_MILLIMET	DisplayValue='0.0'; ReadOnly='False'; Shared='False'; DefinitionType='Length'	
Elevation	ejesus@brydenwood.co.uk	2012-03-14T10:01:14	Requirement	Floor	Level 0		0.000 DUT_MILLIMET	DisplayValue='0.0'; ReadOnly='False'; Shared='False'; DefinitionType='Length'	
Name	ejesus@brydenwood.co.uk	2012-03-14T10:01:14	Requirement	Floor	Level 0	Level 0	n/a	DisplayValue=''; ReadOnly='False'; Shared='False'; DefinitionType='Text'	
Computation Height	ejesus@brydenwood.co.uk	2012-03-14T10:01:14	Requirement	Floor	Level 1		0.000 DUT_MILLIMET	DisplayValue='0.0'; ReadOnly='False'; Shared='False'; DefinitionType='Length'	
Name	ejesus@brydenwood.co.uk	2012-03-14T10:01:14	Requirement	Floor	Level 1	Level 1	n/a	DisplayValue=''; ReadOnly='False'; Shared='False'; DefinitionType='Text'	
Elevation	ejesus@brydenwood.co.uk	2012-03-14T10:01:14	Requirement	Floor	Level 1		13.123 DUT_MILLIMET	DisplayValue='4000.0'; ReadOnly='False'; Shared='False'; DefinitionType='Length'	
Phase	ejesus@brydenwood.co.uk	2012-03-14T10:01:14	Requirement	Space		1	[Id='0', Category='Phases', Name='New Construc	n/a	DisplayValue=''; ReadOnly='True'; Shared='False'; DefinitionType='Invalid'
Name	ejesus@brydenwood.co.uk	2012-03-14T10:01:14	Requirement	Space		1	Room	n/a	DisplayValue=''; ReadOnly='False'; Shared='False'; DefinitionType='Text'
Number	ejesus@brydenwood.co.uk	2012-03-14T10:01:14	Requirement	Space		1		1.000 n/a	DisplayValue=''; ReadOnly='False'; Shared='False'; DefinitionType='Text'
Base Offset	ejesus@brydenwood.co.uk	2012-03-14T10:01:14	Requirement	Space		1		0.000 DUT_MILLIMET	DisplayValue='0.0'; ReadOnly='False'; Shared='False'; DefinitionType='Length'
Limit Offset	ejesus@brydenwood.co.uk	2012-03-14T10:01:14	Requirement	Space		1		0.000 DUT_MILLIMET	DisplayValue='0.0'; ReadOnly='False'; Shared='False'; DefinitionType='Length'
Computation Height	ejesus@brydenwood.co.uk	2012-03-14T10:01:14	Requirement	Space		1		0.000 DUT_MILLIMET	DisplayValue='0.0'; ReadOnly='True'; Shared='False'; DefinitionType='Length'
Unbounded Height	ejesus@brydenwood.co.uk	2012-03-14T10:01:14	Requirement	Space		1		0.000 DUT_MILLIMET	DisplayValue='0.0'; ReadOnly='True'; Shared='False'; DefinitionType='Length'
Base Offset	ejesus@brydenwood.co.uk	2012-03-14T10:01:14	Requirement	Space		2		0 DUT_MILLIMET	DisplayValue='0.0'; ReadOnly='False'; Shared='False'; DefinitionType='Length'
Name	ejesus@brydenwood.co.uk	2012-03-14T10:01:14	Requirement	Space		2	Room	n/a	DisplayValue=''; ReadOnly='False'; Shared='False'; DefinitionType='Text'
Number	ejesus@brydenwood.co.uk	2012-03-14T10:01:14	Requirement	Space		2		2 n/a	DisplayValue=''; ReadOnly='False'; Shared='False'; DefinitionType='Text'
Computation Height	ejesus@brydenwood.co.uk	2012-03-14T10:01:14	Requirement	Space		2		0 DUT_MILLIMET	DisplayValue='0.0'; ReadOnly='True'; Shared='False'; DefinitionType='Length'
Unbounded Height	ejesus@brydenwood.co.uk	2012-03-14T10:01:14	Requirement	Space		2		0 DUT_MILLIMET	DisplayValue='0.0'; ReadOnly='True'; Shared='False'; DefinitionType='Length'
Limit Offset	ejesus@brydenwood.co.uk	2012-03-14T10:01:14	Requirement	Space		2		0 DUT_MILLIMET	DisplayValue='0.0'; ReadOnly='False'; Shared='False'; DefinitionType='Length'
Phase	ejesus@brydenwood.co.uk	2012-03-14T10:01:14	Requirement	Space		2	[Id='0', Category='Phases', Name='New Construc	n/a	DisplayValue=''; ReadOnly='True'; Shared='False'; DefinitionType='Invalid'
Unbounded Height	ejesus@brydenwood.co.uk	2012-03-14T10:01:14	Requirement	Space		3		0.0 DUT_MILLIMET	DisplayValue='0.0'; ReadOnly='True'; Shared='False'; DefinitionType='Length'
Number	ejesus@brydenwood.co.uk	2012-03-14T10:01:14	Requirement	Space		3		3.0 n/a	DisplayValue=''; ReadOnly='False'; Shared='False'; DefinitionType='Text'
Phase	ejesus@brydenwood.co.uk	2012-03-14T10:01:14	Requirement	Space		3	[Id='0', Category='Phases', Name='New Construc	n/a	DisplayValue=''; ReadOnly='True'; Shared='False'; DefinitionType='Invalid'
Base Offset	ejesus@brydenwood.co.uk	2012-03-14T10:01:14	Requirement	Space		3		0.0 DUT_MILLIMET	DisplayValue='0.0'; ReadOnly='False'; Shared='False'; DefinitionType='Length'
Limit Offset	ejesus@brydenwood.co.uk	2012-03-14T10:01:14	Requirement	Space		3		0.0 DUT_MILLIMET	DisplayValue='0.0'; ReadOnly='False'; Shared='False'; DefinitionType='Length'
Name	ejesus@brydenwood.co.uk	2012-03-14T10:01:14	Requirement	Space		3	Room	n/a	DisplayValue=''; ReadOnly='False'; Shared='False'; DefinitionType='Text'
Computation Height	ejesus@brydenwood.co.uk	2012-03-14T10:01:14	Requirement	Space		3		0 DUT_MILLIMET	DisplayValue='0.0'; ReadOnly='True'; Shared='False'; DefinitionType='Length'
Name	ejesus@brydenwood.co.uk	2012-03-14T10:01:14	Requirement	Space		4	Room	n/a	DisplayValue=''; ReadOnly='False'; Shared='False'; DefinitionType='Text'
Limit Offset	ejesus@brydenwood.co.uk	2012-03-14T10:01:14	Requirement	Space		4		0.0 DUT_MILLIMET	DisplayValue='0.0'; ReadOnly='False'; Shared='False'; DefinitionType='Length'
Base Offset	ejesus@brydenwood.co.uk	2012-03-14T10:01:14	Requirement	Space		4		0.0 DUT_MILLIMET	DisplayValue='0.0'; ReadOnly='False'; Shared='False'; DefinitionType='Length'
Number	ejesus@brydenwood.co.uk	2012-03-14T10:01:14	Requirement	Space		4		4 n/a	DisplayValue=''; ReadOnly='False'; Shared='False'; DefinitionType='Text'
Computation Height	ejesus@brydenwood.co.uk	2012-03-14T10:01:14	Requirement	Space		4		0 DUT_MILLIMET	DisplayValue='0.0'; ReadOnly='True'; Shared='False'; DefinitionType='Length'
Unbounded Height	ejesus@brydenwood.co.uk	2012-03-14T10:01:14	Requirement	Space		4		0 DUT_MILLIMET	DisplayValue='0.0'; ReadOnly='True'; Shared='False'; DefinitionType='Length'
Phase	ejesus@brydenwood.co.uk	2012-03-14T10:01:14	Requirement	Space		4	[Id='0', Category='Phases', Name='New Construc	n/a	DisplayValue=''; ReadOnly='True'; Shared='False'; DefinitionType='Invalid'
Limit Offset	ejesus@brydenwood.co.uk	2012-03-14T10:01:14	Requirement	Space		5		0 DUT_MILLIMET	DisplayValue='0.0'; ReadOnly='False'; Shared='False'; DefinitionType='Length'
Base Offset	ejesus@brydenwood.co.uk	2012-03-14T10:01:14	Requirement	Space		5		0 DUT_MILLIMET	DisplayValue='0.0'; ReadOnly='False'; Shared='False'; DefinitionType='Length'
Phase	ejesus@brydenwood.co.uk	2012-03-14T10:01:14	Requirement	Space		5	[Id='0', Category='Phases', Name='New Construc	n/a	DisplayValue=''; ReadOnly='True'; Shared='False'; DefinitionType='Invalid'
Name	ejesus@brydenwood.co.uk	2012-03-14T10:01:14	Requirement	Space		5	Room	n/a	DisplayValue=''; ReadOnly='False'; Shared='False'; DefinitionType='Text'
Unbounded Height	ejesus@brydenwood.co.uk	2012-03-14T10:01:14	Requirement	Space		5		0 DUT_MILLIMET	DisplayValue='0.0'; ReadOnly='True'; Shared='False'; DefinitionType='Length'
Computation Height	ejesus@brydenwood.co.uk	2012-03-14T10:01:14	Requirement	Space		5		0 DUT_MILLIMET	DisplayValue='0.0'; ReadOnly='True'; Shared='False'; DefinitionType='Length'
Number	ejesus@brydenwood.co.uk	2012-03-14T10:01:14	Requirement	Space		5		5 n/a	DisplayValue=''; ReadOnly='False'; Shared='False'; DefinitionType='Text'
Name	ejesus@brydenwood.co.uk	2012-03-14T10:01:14	Requirement	Space		6	Room	n/a	DisplayValue=''; ReadOnly='False'; Shared='False'; DefinitionType='Text'
Computation Height	ejesus@brydenwood.co.uk	2012-03-14T10:01:14	Requirement	Space		6		0.0 DUT_MILLIMET	DisplayValue='0.0'; ReadOnly='True'; Shared='False'; DefinitionType='Length'
Base Offset	ejesus@brydenwood.co.uk	2012-03-14T10:01:14	Requirement	Space		6		0.0 DUT_MILLIMET	DisplayValue='0.0'; ReadOnly='False'; Shared='False'; DefinitionType='Length'

Note: Only an excerpt has been included. The full list of 'Attributes' for the two cells runs to 1,481 lines



Coordinate

Name	CreatedBy	CreatedOn	Category	SheetName	RowName	CoordinateXAxis	CoordinateYAxis	CoordinateZAxis	ExtIdentifier	ClockwiseRotation	ElevationalRotation	YawRotation
Level 0 point	ejesus@brydenwood.co.uk	2012-01-19T12:27:24	point	Floor	Level 0	0	0	0	1TB8MXXl	0	0	0
L0-01A box-lowerleft	ejesus@brydenwood.co.uk	2012-01-19T12:27:24	box-lowerleft	Space	L0-01A	0	0	0	3cBcy7GEj	0	0	0
L0-01A box-uppright	ejesus@brydenwood.co.uk	2012-01-19T12:27:24	box-uppright	Space	L0-01A	0	0	2500	3cBcy7GEj	0	0	0
L0-02B box-lowerleft	ejesus@brydenwood.co.uk	2012-01-19T12:27:24	box-lowerleft	Space	L0-02B	0	0	0	3cBcy7GEj	0	0	0
L0-02B box-uppright	ejesus@brydenwood.co.uk	2012-01-19T12:27:24	box-uppright	Space	L0-02B	0	0	2500	3cBcy7GEj	0	0	0
TFT Monitor:TFT Monitor:TFT Monitor:211812 box-lowerleft	ejesus@brydenwood.co.uk	2012-01-19T12:27:24	box-lowerleft	Component	TFT Monitor:TFT Monitor:TFT Monitor:211812	-7289.6	1966.762	1000	3cBcy7GEj	0	0	0
TFT Monitor:TFT Monitor:TFT Monitor:211812 box-uppright	ejesus@brydenwood.co.uk	2012-01-19T12:27:24	box-uppright	Component	TFT Monitor:TFT Monitor:TFT Monitor:211812	-7289.6	1966.762	1000	3cBcy7GEj	0	0	0
Mirror:Mirror:Mirror:211825 box-lowerleft	ejesus@brydenwood.co.uk	2012-01-19T12:27:24	box-lowerleft	Component	Mirror:Mirror:Mirror:211825	-8015.93	335.0426	1200	3cBcy7GEj	0	0	0
Mirror:Mirror:Mirror:211825 box-uppright	ejesus@brydenwood.co.uk	2012-01-19T12:27:24	box-uppright	Component	Mirror:Mirror:Mirror:211825	-8015.93	335.0426	1200	3cBcy7GEj	0	0	0
TFT Monitor:TFT Monitor:TFT Monitor:211790 box-lowerleft	ejesus@brydenwood.co.uk	2012-01-19T12:27:24	box-lowerleft	Component	TFT Monitor:TFT Monitor:TFT Monitor:211790	-6456.3	2073.593	1000	3cBcy7GEj	0	0	0
TFT Monitor:TFT Monitor:TFT Monitor:211790 box-uppright	ejesus@brydenwood.co.uk	2012-01-19T12:27:24	box-uppright	Component	TFT Monitor:TFT Monitor:TFT Monitor:211790	-6456.3	2073.593	1000	3cBcy7GEj	0	0	0
Mirror:Mirror:Mirror:211826 box-lowerleft	ejesus@brydenwood.co.uk	2012-01-19T12:27:24	box-lowerleft	Component	Mirror:Mirror:Mirror:211826	-5847.36	350.9741	1200	3cBcy7GEj	0	0	0
Mirror:Mirror:Mirror:211826 box-uppright	ejesus@brydenwood.co.uk	2012-01-19T12:27:24	box-uppright	Component	Mirror:Mirror:Mirror:211826	-5847.36	350.9741	1200	3cBcy7GEj	0	0	0
Generic Int DD:1810 x 2110mm:1810 x 2110mm:211798 box-lowerleft	ejesus@brydenwood.co.uk	2012-01-19T12:27:24	box-lowerleft	Component	Generic Int DD:1810 x 2110mm:1810 x 2110mm:211798	0	0	0	3cBcy7GEj	0	0	0
Generic Int DD:1810 x 2110mm:1810 x 2110mm:211798 box-uppright	ejesus@brydenwood.co.uk	2012-01-19T12:27:24	box-uppright	Component	Generic Int DD:1810 x 2110mm:1810 x 2110mm:211798	0	0	0	3cBcy7GEj	0	0	0
Generic Int D Cell Door:790 x 2110mm 3:790 x 2110mm 3:211814 box-lowerleft	ejesus@brydenwood.co.uk	2012-01-19T12:27:24	box-lowerleft	Component	Generic Int D Cell Door:790 x 2110mm 3:790 x 2110mm	0	0	0	3cBcy7GEj	0	0	0
Generic Int D Cell Door:790 x 2110mm 3:790 x 2110mm 3:211814 box-uppright	ejesus@brydenwood.co.uk	2012-01-19T12:27:24	box-uppright	Component	Generic Int D Cell Door:790 x 2110mm 3:790 x 2110mm	0	0	0	3cBcy7GEj	0	0	0
Generic Int D Cell Door:790 x 2110mm 3:790 x 2110mm 3:211815 box-lowerleft	ejesus@brydenwood.co.uk	2012-01-19T12:27:24	box-lowerleft	Component	Generic Int D Cell Door:790 x 2110mm 3:790 x 2110mm	0	44	0	3cBcy7GEj	0	0	0
Generic Int D Cell Door:790 x 2110mm 3:790 x 2110mm 3:211815 box-uppright	ejesus@brydenwood.co.uk	2012-01-19T12:27:24	box-uppright	Component	Generic Int D Cell Door:790 x 2110mm 3:790 x 2110mm	0	44	0	3cBcy7GEj	0	0	0
Plumbing SVP 1:Plumbing SVP 1:Plumbing SVP 1:211824 box-lowerleft	ejesus@brydenwood.co.uk	2012-01-19T12:27:24	box-lowerleft	Component	Plumbing SVP 1:Plumbing SVP 1:Plumbing SVP 1:211824	-7014.49	141.1241	0	3cBcy7GEj	0	0	0
Plumbing SVP 1:Plumbing SVP 1:Plumbing SVP 1:211824 box-uppright	ejesus@brydenwood.co.uk	2012-01-19T12:27:24	box-uppright	Component	Plumbing SVP 1:Plumbing SVP 1:Plumbing SVP 1:211824	-7014.49	141.1241	0	3cBcy7GEj	0	0	0
WC Pan:510 x 510mm:510 x 510mm:211788 box-lowerleft	ejesus@brydenwood.co.uk	2012-01-19T12:27:24	box-lowerleft	Component	WC Pan:510 x 510mm:510 x 510mm:211788	-7614.3	399.663	0	3cBcy7GEj	0	0	0
WC Pan:510 x 510mm:510 x 510mm:211788 box-uppright	ejesus@brydenwood.co.uk	2012-01-19T12:27:24	box-uppright	Component	WC Pan:510 x 510mm:510 x 510mm:211788	-7614.3	399.663	0	3cBcy7GEj	0	0	0
Wallgate ALS80 Basin:470w x 300d:470w x 300d:211813 box-lowerleft	ejesus@brydenwood.co.uk	2012-01-19T12:27:24	box-lowerleft	Component	Wallgate ALS80 Basin:470w x 300d:470w x 300d:211813	-8182.78	319.0112	0	3cBcy7GEj	0	0	0
Wallgate ALS80 Basin:470w x 300d:470w x 300d:211813 box-uppright	ejesus@brydenwood.co.uk	2012-01-19T12:27:24	box-uppright	Component	Wallgate ALS80 Basin:470w x 300d:470w x 300d:211813	-8182.78	319.0112	0	3cBcy7GEj	0	0	0
WC Pan:510 x 510mm 2:510 x 510mm 2:211807 box-lowerleft	ejesus@brydenwood.co.uk	2012-01-19T12:27:24	box-lowerleft	Component	WC Pan:510 x 510mm 2:510 x 510mm 2:211807	-6893.97	399.663	0	3cBcy7GEj	0	0	0
WC Pan:510 x 510mm 2:510 x 510mm 2:211807 box-uppright	ejesus@brydenwood.co.uk	2012-01-19T12:27:24	box-uppright	Component	WC Pan:510 x 510mm 2:510 x 510mm 2:211807	-6893.97	399.663	0	3cBcy7GEj	0	0	0
Wallgate ALS80 Basin:470w x 300d:470w x 300d:211808 box-lowerleft	ejesus@brydenwood.co.uk	2012-01-19T12:27:24	box-lowerleft	Component	Wallgate ALS80 Basin:470w x 300d:470w x 300d:211808	-6231	319.0112	0	3cBcy7GEj	0	0	0
Wallgate ALS80 Basin:470w x 300d:470w x 300d:211808 box-uppright	ejesus@brydenwood.co.uk	2012-01-19T12:27:24	box-uppright	Component	Wallgate ALS80 Basin:470w x 300d:470w x 300d:211808	-6231	319.0112	0	3cBcy7GEj	0	0	0
Cell Bed family:Cell Bed family:Cell Bed family:211786 box-lowerleft	ejesus@brydenwood.co.uk	2012-01-19T12:27:24	box-lowerleft	Component	Cell Bed family:Cell Bed family:Cell Bed family:211786	-9164.49	1700.013	0	3cBcy7GEj	0	0	0
Cell Bed family:Cell Bed family:Cell Bed family:211786 box-uppright	ejesus@brydenwood.co.uk	2012-01-19T12:27:24	box-uppright	Component	Cell Bed family:Cell Bed family:Cell Bed family:211786	-9164.49	1700.013	0	3cBcy7GEj	0	0	0
Cell Desk:Desk Whitewood:Desk Whitewood:211787 box-lowerleft	ejesus@brydenwood.co.uk	2012-01-19T12:27:24	box-lowerleft	Component	Cell Desk:Desk Whitewood:Desk Whitewood:211787	-7021.7	2416.152	0	3cBcy7GEj	0	0	0
Cell Desk:Desk Whitewood:Desk Whitewood:211787 box-uppright	ejesus@brydenwood.co.uk	2012-01-19T12:27:24	box-uppright	Component	Cell Desk:Desk Whitewood:Desk Whitewood:211787	-7021.7	2416.152	0	3cBcy7GEj	0	0	0
Cell Locker:Cell Locker:Cell Locker:211789 box-lowerleft	ejesus@brydenwood.co.uk	2012-01-19T12:27:24	box-lowerleft	Component	Cell Locker:Cell Locker:Cell Locker:211789	-7471.7	2441.072	0	3cBcy7GEj	0	0	0
Cell Locker:Cell Locker:Cell Locker:211789 box-uppright	ejesus@brydenwood.co.uk	2012-01-19T12:27:24	box-uppright	Component	Cell Locker:Cell Locker:Cell Locker:211789	-7471.7	2441.072	0	3cBcy7GEj	0	0	0
Safer Seat:Safer Seat:Safer Seat:211791 box-lowerleft	ejesus@brydenwood.co.uk	2012-01-19T12:27:24	box-lowerleft	Component	Safer Seat:Safer Seat:Safer Seat:211791	-7440.84	2814.782	-1.59527	3cBcy7GEj	0	0	0

Note: Only an excerpt has been included. The full list of 'Coordinates' for the two cells runs to 88 lines

Issue

Name	CreatedBy	CreatedOn	Type	Risk	Chance	Impact	SheetName1	RowName1	SheetName2	RowName2	Description	Owner	Mitigation	ExtSystem	ExtObject	ExtIdentifier

Note: There are currently no 'Issues' in the model

Picklists

ApprovalBy
AreaUnit
AssetType
Category-Facility
Category-Space
Category-Element
Category-Product
Category-Role
CoordinateSheet
ConnectionType
CoordinateType
DocumentType
DurationUnit
FloorType
IssueCategory
IssueChance
IssueImpact
IssueRisk
JobStatusType
JobType
objAttribute

objAttributeType
objComponent
objConnection
objContact
objCoordinate
objDocument
objFacility
objFloor
objIssue
objJob
objProject
objResource
objSite
objSpace
objSpare
objSystem
objType
objWarranty
objZone
ResourceType
SheetType

SpareType
StageType
ZoneType
LinearUnit
VolumeUnit
CostUnit
AssemblyType
ImpactType
ImpactStage
ImpactUnit
objAssembly
objImpact
AttributeUnit
Category-Phase

Note: There are 'Pick lists' for the items above